U.S. DEPARTMENT OF COMMERCE
National Technical Information Service

PB-257 695

Technical Support Document Sulfur Dioxide Control Strategy for the State of Ohio. Volume II

Environmental Protection Agency

August 1976

265162

PB 257 695

UNITED STATES
ENVIRONMENTAL PROTECTION
AGENCY

REGION V
AIR PROGRAMS BRANCH
CHICAGO, ILLINOIS 60604

EPA-905/2-76-002
AUGUST 1976
VOLUME II

AIR

APPENDICES:

EPA

TECHNICAL SUPPORT DOCUMENT:

Sulfur Dioxide Control Strategy for the State of Ohio

REPRODUCED BY
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16. ABSTRACT

This document presents the meteorological, ambient air quality, emissions, and other operating statistical data used in the development of sulfur dioxide controls for the State of Ohio. In addition to the computer printouts, the document contains the lists of comments and exhibits received during the public comment period.

Portions of this document are not fully legible.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Air Pollution Emission Meteorological Data Sulfur Dioxide	SO_2 control SIP revisions SO_2 Attainment, Maintenance of NAAQS for SO_2 Ohio	13B

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This air pollution control regulation technical support document is provided by Region V Environmental Protection Agency, to assist air pollution control agencies, industries and citizens in fully understanding the data utilized in the development of those controls. Copies of this report may be obtained, for a nominal cost, from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia, 22161.

This report has been reviewed by the Air Programs Branch, Region V EPA and approved for publication. Approval does not signify endorsement or recommendation for the use of trade names or commercial products identified in this report.

EPA 905/2-76-002

TECHNICAL SUPPORT DOCUMENT

SULFUR DIOXIDE CONTROL FOR THE STATE OF OHIO

VOLUME II APPENDICES

BY

ENVIRONMENTAL PROTECTION AGENCY
REGION V
AIR PROGRAMS BRANCH
CHICAGO, ILLINOIS 60604

AUGUST 1976

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      Cleveland

      Toledo

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Akron	Akron
Cleveland	Cleveland
Toledo	Toledo

   c. Final strategy (regulated) CSDFP/CDM results

CSDFP	CDM
Cleveland	Cleveland
Toledo	Toledo

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Urban CDM/CSDFP Counties

Base year CDM calibration

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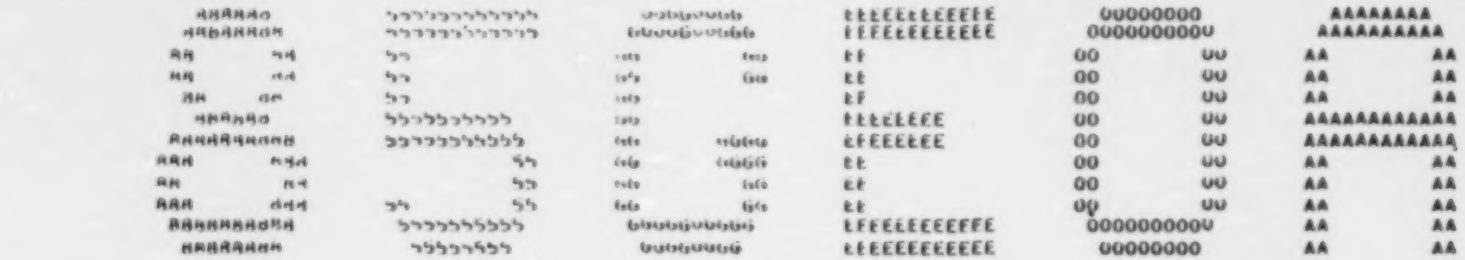

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AKRON CALIBRATION CDM
8/27/76

THE CENTRAL WIND SPEEDS OF THE SIX WIND SPEED CLASSES (U):
.150000+01 .257872+01 .447040+01 .692912+01 .961136+01 .125171+02

THE EXPONENTIAL OF THE VERTICAL WIND PROFILE BY STABILITY CLASS (UE):
.100000+00 .150000+00 .200000+00 .250000+00 .250000+00 .300000+00

THE INITIAL SIGMA Z FOR AREA SOURCES BY STABILITY CLASS (SZA):
.100000+02 .100000+02 .100000+02 .100000+02 .100000+02 .100000+02

THE CLIMATOLOGICAL MEAN NOCTURNAL AND AFTERNOON MIXING HEIGHTS (MMIN,MT):
.540000+03 .133000+04

THE DAY AND NIGHT EMISSION WEIGHT FACTORS (YD,YN):
.114000+01 .860000+00

THE X-MIN AND Y-MIN OF THE AREA EMISSION INVENTORY GRID (XG,YG):
.437000+03 .452300+04

THE WIDTH OF A BASIC AREA SOURCE SQUARE (IXA):
.100000+04

THE NUMBER OF SUB-SECTORS CONSIDERED IN A 22.5 DEGREE SECTOR, AND ANGULAR WIDTH OF A SUB-SECTOR (DINT,THETA):
.400000+01 .562500+01

THE INITIAL RADIAL INCREMENT (DELR):
.500000+03

THE RADIAL INCREMENT FACTORS (INC):
1 2 4 4

THE RATIO OF EMISSION GRID TO MAP GRID (RAT):
.250000+01

THE GRID CONVERSION FACTOR (CV):
.100000+04

THE AMBIENT AIR TEMPERATURE (TOA):
.284560+03

THE DECAY RATE HALF LIFE FOR P 1 AND P 2 (GB):
.400000+01 .999990+06

INTERCEPTS FOR P 1 AND P 2 (CA):
.000000 .000000

SLOPES FOR P 1 AND P 2 (CB AND CC):
.100000+01 .000000 .100000+01 .000000

THE SIGMA Y COEFFICIENT TABLE (G):
.253900-03 .253900-03 .383000-01 .208860+01 .208860+01 .128120+01
.493600-01 .493600-01 .139300+00 .111370+01 .111370+01 .946700+00
.115400+00 .101400+00 .117000+00 .910900+00 .926000+00 .910000+00
.736800+00 .259100+00 .850000-01 .564200+00 .686900+00 .865000+00
.129490+01 .252700+00 .818000-01 .442100+00 .634100+00 .815500+00

SECTOR	U1	U2	U3	U4	U5	U6
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 1			
1	.000000	.000000	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000	.000000	.000000
5	.000000	.000000	.000000	.000000	.000000	.000000
6	.460000-03	.000000	.000000	.000000	.000000	.000000
7	.000000	.000000	.000000	.000000	.000000	.000000
8	.000000	.000000	.000000	.000000	.000000	.000000
9	.110000-03	.340000-03	.000000	.000000	.000000	.000000
10	.000000	.000000	.000000	.000000	.000000	.000000
11	.110000-03	.340000-03	.000000	.000000	.000000	.000000
12	.000000	.000000	.000000	.000000	.000000	.000000
13	.000000	.000000	.000000	.000000	.000000	.000000
14	.000000	.000000	.000000	.000000	.000000	.000000
15	.000000	.000000	.000000	.000000	.000000	.000000
16	.000000	.000000	.000000	.000000	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 2			
1	.340000-03	.680000-03	.340000-03	.000000	.000000	.000000
2	.750000-03	.680000-03	.680000-03	.000000	.000000	.000000
3	.300000-04	.680000-03	.680000-03	.000000	.000000	.000000
4	.112000-02	.103000-02	.000000	.000000	.000000	.000000
5	.390000-03	.680000-03	.000000	.000000	.000000	.000000
6	.500000-04	.103000-02	.000000	.000000	.000000	.000000
7	.730000-03	.340000-03	.680000-03	.000000	.000000	.000000
8	.500000-04	.103000-02	.340000-03	.000000	.000000	.000000
9	.115000-02	.171000-02	.205000-02	.000000	.000000	.000000
10	.340000-03	.000000	.171000-02	.000000	.000000	.000000
11	.120000-03	.274000-02	.171000-02	.000000	.000000	.000000
12	.110000-03	.240000-02	.171000-02	.000000	.000000	.000000
13	.420000-03	.137000-02	.137000-02	.000000	.000000	.000000
14	.400000-03	.103000-02	.680000-03	.000000	.000000	.000000
15	.420000-03	.137000-02	.340000-03	.000000	.000000	.000000
16	.300000-04	.680000-03	.340000-03	.000000	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 3			
1	.730000-03	.340000-03	.342000-02	.000000	.000000	.000000
2	.100000-04	.340000-03	.103000-02	.000000	.000000	.000000
3	.400000-04	.103000-02	.205000-02	.000000	.000000	.000000
4	.300000-04	.680000-03	.308000-02	.340000-03	.000000	.000000
5	.440000-03	.205000-02	.274000-02	.340000-03	.000000	.000000
6	.400000-04	.103000-02	.240000-02	.000000	.000000	.000000
7	.400000-04	.103000-02	.137000-02	.340000-03	.340000-03	.000000
8	.480000-03	.308000-02	.308000-02	.000000	.000000	.000000
9	.470000-03	.274000-02	.822000-02	.171000-02	.000000	.000000
10	.100000-03	.240000-02	.479000-02	.103000-02	.000000	.000000
11	.110000-03	.274000-02	.651000-02	.103000-02	.000000	.000000
12	.100000-04	.340000-03	.445000-02	.000000	.000000	.000000
13	.800000-04	.205000-02	.445000-02	.103000-02	.000000	.000000
14	.600000-04	.137000-02	.411000-02	.680000-03	.340000-03	.000000
15	.410000-03	.137000-02	.240000-02	.340000-03	.000000	.000000
16	.100000-04	.340000-03	.205000-02	.103000-02	.000000	.000000

COMI VERSION 76130. RUN 11

SECTOR	U1	U2	U3	U4	U5	U6
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 4			
1	.100000-04	.171000-02	.445000-02	.788000-02	.000000	.000000
2	.200000-04	.205000-02	.205000-02	.411000-02	.340000-03	.000000
3	.360000-03	.137000-02	.680000-03	.377000-02	.000000	.000000
4	.200000-04	.240000-02	.411000-02	.205000-02	.340000-03	.000000
5	.700000-03	.171000-02	.548000-02	.308000-02	.000000	.000000
6	.200000-04	.205000-02	.719000-02	.582000-02	.340000-03	.000000
7	.710000-03	.205000-02	.548000-02	.411000-02	.680000-03	.000000
8	.100000-04	.103000-02	.308000-02	.753000-02	.340000-03	.000000
9	.710000-03	.274000-02	.130100-01	.157500-01.	.137000-02	.340000-03
10	.200000-04	.240000-02	.109600-01	.109600-01	.205000-02	.340000-03
11	.200000-04	.308000-02	.116400-01	.147300-01	.205000-02	.340000-03
12	.740000-03	.514000-02	.106200-01	.123300-01	.171000-02	.000000
13	.390000-03	.514000-02	.113000-01	.171200-01	.240000-02	.000000
14	.710000-03	.240000-02	.816000-02	.925000-02	.274000-02	.000000
15	.200000-04	.308000-02.	.445000-02	.753000-02	.103000-02	.000000
16	.100000-04	.137000-02	.548000-02	.548000-02	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 5			
1	.900000-04	.274000-02	.788000-02	.274000-02	.000000	.000000
2	.600000-04	.171000-02	.582000-02	.342000-02	.340000-03	.000000
3	.200000-04	.680000-03	.753000-02	.342000-02	.000000	.000000
4	.480000-03	.377000-02	.959000-02	.103000-02	.000000	.000000
5	.790000-03	.240000-02	.102700-01	.205000-02	.000000	.000000
6	.810000-03	.308000-02	.126700-01	.205000-02	.340000-03	.000000
7	.740000-03	.103000-02	.822000-02	.856000-02	.103000-02	.000000
8	.420000-03	.205000-02	.753000-02	.582000-02	.000000	.000000
9	.810000-03	.308000-02	.147300-01	.890000-02	.103000-02	.340000-03
10	.114000-02	.240000-02	.113000-01	.685000-02	.680000-03	.000000
11	.820000-03	.342000-02	.119900-01	.106200-01	.680000-03	.680000-03
12	.170000-03	.514000-02	.116400-01	.925000-02	.137000-02	.340000-03
13	.610000-03	.788000-02	.150700-01	.130100-01	.240000-02	.340000-03
14	.110000-03	.342000-02	.822000-02	.113000-01	.171000-02	.000000
15	.600000-04	.171000-02	.411000-02	.788000-02	.340000-03	.000000
16	.600000-04	.171000-02	.274000-02	.342000-02	.680000-03	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 6			
1	.453000-02	.116400-01	.171000-02	.000000	.000000	.000000
2	.154000-02	.616000-02	.308000-02	.000000	.000000	.000000
3	.222000-02	.856000-02	.205000-02	.000000	.000000	.000000
4	.141000-02	.514000-02	.411000-02	.000000	.000000	.000000
5	.158000-02	.651000-02	.582000-02	.000000	.000000	.000000
6	.128000-02	.719000-02	.274000-02	.000000	.000000	.000000
7	.235000-02	.651000-02	.411000-02	.000000	.000000	.000000
8	.218000-02	.514000-02	.308000-02	.000000	.000000	.000000
9	.740000-02	.222600-01	.788000-02	.000000	.000000	.000000
10	.419000-02	.890000-02	.479000-02	.000000	.000000	.000000
11	.458000-02	.181500-01	.788000-02	.000000	.000000	.000000
12	.329000-02	.109600-01	.479000-02	.000000	.000000	.000000
13	.402000-02	.137000-01	.514000-02	.000000	.000000	.000000
14	.730000-03	.582000-02	.680000-03	.000000	.000000	.000000
15	.210000-02	.753000-02	.103000-02	.000000	.000000	.000000
16	.282000-02	.719000-02	.103000-02	.000000	.000000	.000000

** SOURCE CONTRIBUTION VERSION OF CDH **

AKRON CALIBRATION

TEN MAXIMUM WILL BE SELECTED IN SOURCE CONTRIBUTION

NO STATISTICAL DATA NEEDED

@ADD:P PSB4L*AK-BPT.

CDMI VERSION 7.0130. RUN 11

SOURCE INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 1	B001 PPG IND 11E3BTU/#,4.5%S									
P 1	447.80	4539.40	.00	478.540	.000	85.30	3.00	11.90	163.00	.00
SOURCE NO. 2	B002 PPG IND 11E3BTU/#,4.5%S									
P 2	447.80	4539.50	.00	344.080	.000	85.30	3.00	9.15	163.00	.00
SOURCE NO. 3	B003PPG IND11E3BTU/#,4.5%S									
P 3	447.80	4539.60	.00	806.700	.000	99.70	4.60	8.54	188.00	.00
SOURCE NO. 4	B001GOODYEAR 12E3BTU/#,2.5%S									
P 4	459.70	4545.20	.00	202.130	.000	76.20	3.10	6.18	163.00	.00
SOURCE NO. 5	B002GOODYEAR									
P 5	459.70	4545.20	.00	146.080	.000	76.20	3.10	6.18	163.00	.00
SOURCE NO. 6	>B003>GOODYEAR									
P 6	459.70	4545.20	.00	95.300	.000	71.60	3.70	2.21	176.00	.00
SOURCE NO. 7	B004GOODYEAR									
P 7	459.70	4545.20	.00	62.400	.000	76.20	3.70	1.59	133.00	.00
SOURCE NO. 8	P032GOODYEAR									
P 8	459.70	4545.20	.00	5.970	.000	45.10	.50	2.16	204.00	.00
SOURCE NO. 9	B001FIRESTONE									
P 9	455.20	4544.20	.00	37.140	.000	77.70	4.30	5.20	204.00	.00
SOURCE NO. 10	B002FIRESTONE									
P 10	455.20	4544.20	.00	184.170	.000	68.60	2.80	14.69	163.00	.00
SOURCE NO. 11	B003FIRESTONE									
P 11	455.20	4544.20	.00	184.700	.000	68.60	2.80	14.69	163.00	.00
SOURCE NO. 12	B001HF GOODRICH									
P 12	455.60	4546.70	.00	52.980	.000	76.20	4.90	1.80	256.00	.00
SOURCE NO. 13	B002HF GOODRICH									
P 13	455.60	4546.70	.00	66.680	.000	76.20	4.90	1.80	256.00	.00
SOURCE NO. 14	B003HF GOODRICH									
P 14	455.60	4546.70	.00	64.210	.000	76.20	4.90	2.58	234.00	.00
SOURCE NO. 15	B001GOODYEAR 12E3.BTU/#,2.5%S									
P 15	459.40	4546.00	.00	137.420	.000	76.20	4.30	3.06	214.00	.00
SOURCE NO. 16	B001DIAMOND CRYSTAL 11.3E3BTU/#,5%S									
P 16	454.40	4543.50	.00	33.670	.000	53.30	1.10	11.35	343.00	.00
SOURCE NO. 17	B002 DIAMOND CRYSTAL									
P 17	454.40	4543.50	.00	33.670	.000	53.30	1.10	11.35	343.00	.00
SOURCE NO. 18	B003 DIAMOND CRYSTAL									
P 18	454.40	4543.50	.00	33.670	.000	53.30	1.10	11.35	343.00	.00
SOURCE NO. 19	B004 DIAMOND CRYSTAL									
P 19	454.40	4543.50	.00	33.670	.000	53.30	1.10	11.35	343.00	.00
SOURCE NO. 20	B001 OHIO ED.BEECH 12250BTU/#,2.5777%S									
P 20	456.60	4548.50	.00	14.800	.000	53.30	3.10	5.00	279.00	.00
SOURCE NO. 21	B002 OHIO ED BEECH									
P 21	456.60	4548.50	.00	16.900	.000	53.30	3.10	5.00	241.00	.00
SOURCE NO. 22	B003 OHIO ED BEECH									
P 22	456.60	4548.50	.00	57.900	.000	53.30	3.10	5.00	204.00	.00
SOURCE NO. 23	P001 PPG									
P 23	445.30	4540.40	.00	75.150	.000	76.30	3.70	8.24	148.00	.00
SOURCE NO. 24	B008 HF GOODRICH									
P 24	454.40	4543.90	.00	50.100	.000	38.10	1.50	11.59	199.00	.00
SOURCE NO. 25	P003 3-M COMPANY									
P 25	447.30	4549.70	.00	21.710	.000	24.40	1.10	5.00	77.00	32.00
SOURCE NO. 26	B001 OHIO MATCH									
P 26	438.50	4541.20	.00	16.410	.000	33.50	1.70	4.00	191.00	.00

SOURCE ID	INPUT X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
SOURCE NO. 27	B001 AK-FELL 13E3BTU/#-3.0/%S									
P 27	458.00	4550.00	.00	5.960	.000	24.40	1.20	4.00	177.00	.00
SOURCE NO. 28	B002 AK-FELL									
P 28	458.00	4550.00	.00	5.960	.000	24.40	1.20	4.00	177.00	.00
SOURCE NO. 29	B003 AK-FELL									
P 29	458.00	4550.00	.00	.260	.000	6.70	.60	4.00	177.00	.00
SOURCE NO. 30	B001 BRASS 12E3.?BTU/#-2.54%S									
P 30	448.20	4540.40	.00	3.710	.000	45.70	1.80	4.00	260.00	.00
SOURCE NO. 31	B003 OHIO BRASS									
P 31	448.20	4540.40	.00	3.710	.000	45.70	1.80	4.00	260.00	.00
SOURCE NO. 32	B001 SEIBERLING, ?1.5E5BTU/GAL-.85%S									
P 32	448.00	4540.90	.00	3.140	.000	16.50	1.30	4.00	232.00	.00
SOURCE NO. 33	B002 SEIBERLING TIRE									
P 33	448.00	4540.90	.00	3.140	.000	20.40	1.30	4.00	232.00	.00
SOURCE NO. 34	P002 MCCORT CONST									
P 34	442.40	4549.10	.00	2.790	.000	21.30	1.80	3.00	149.00	.00
SOURCE NO. 35	P001 MCCORT CONST									
P 35	442.40	4549.10	.00	1.240	.000	21.30	1.80	4.00	149.00	.00
SOURCE NO. 36	B003 CORNWELL TOOL									
P 36	466.80	4544.90	.00	.100	.000	15.00	1.00	4.00	177.00	.00
SOURCE NO. 37	B001 PCDATA OHIO ED GORGE-11550BTU/#-3.1%S									
P 37	458.80	4551.80	.00	303.000	.000	83.80	3.54	8.00	174.00	.00
SOURCE NO. 38	P>PCDATAB002 OHIOED GORGE									
P 38	458.80	4551.80	.00	323.000	.000	83.80	3.54	8.10	148.00	.00
SOURCE NO. 39	4 BOILERS HAWTHORN HOSP 12,750BTU/#-3.62%S									
P 39	451.80	4577.50	.00	26.020	.000	53.34	3.05	5.00	170.00	.00
SOURCE NO. 40	B001 CHRYSLER 1.4E5BTU/GAL-.26%S									
P 40	453.10	4573.60	.00	3.530	.000	23.47	2.13	5.00	288.00	.00
SOURCE NO. 41	B002 CHRYSLER									
P 41	453.10	4573.60	.00	1.620	.000	23.47	2.13	5.00	288.00	.00
SOURCE NO. 42	B003 CHRYSLER									
P 42	453.10	4573.60	.00	1.620	.000	23.47	2.13	5.00	288.00	.00
SOURCE NO. 43	B001 TECUMEH?S?SCH-12,850BTU/#-3.0-S									
P 43	452.90	4570.50	.00	6.500	.000	10.97	1.52	5.00	316.00	.00
SOURCE NO. 44	B002 TECUMESCH									
P 44	452.90	4570.50	.00	6.560	.000	10.97	1.52	5.00	316.00	.00
SOURCE NO. 45	B003 TECUMESCH									
P 45	452.90	4570.50	.00	6.560	.000	10.97	1.52	5.00	316.00	.00

@ADD.P PSBML*AK-BAR.

CDAI VERSION 78130. RUN 11

SOURCE INPUT ID		X(KM)	Y(KM)	HA(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	2	437.00	4538.00	2000.00	.980	.000	20.00	.00	.00	.00	.00
A	3	437.00	4540.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	4	437.00	4542.00	2000.00	3.810	.000	20.00	.00	.00	.00	.00
A	5	437.00	4544.00	2000.00	.230	.000	20.00	.00	.00	.00	.00
A	6	438.00	4545.00	3000.00	.000	.000	20.00	.00	.00	.00	.00
A	7	439.00	4538.00	2000.00	.190	.000	20.00	.00	.00	.00	.00
A	8	439.00	4540.00	2000.00	4.610	.000	20.00	.00	.00	.00	.00
A	9	439.00	4542.00	4000.00	3.840	.000	20.00	.00	.00	.00	.00
A	10	439.00	4554.00	4000.00	.460	.000	20.00	.00	.00	.00	.00
A	11	439.00	4558.00	4000.00	.000	.000	20.00	.00	.00	.00	.00
A	12	441.00	4535.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	13	441.00	4536.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	14	441.00	4538.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	15	441.00	4540.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	16	442.00	4535.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	17	465.00	4524.00	5000.00	6.330	.000	20.00	.00	.00	.00	.00
A	18	465.00	4532.00	5000.00	9.130	.000	20.00	.00	.00	.00	.00
A	19	470.00	4527.00	5000.00	1.400	.000	20.00	.00	.00	.00	.00
A	20	470.00	4532.00	5000.00	6.720	.000	20.00	.00	.00	.00	.00
A	21	475.00	4524.00	7000.00	4.400	.000	20.00	.00	.00	.00	.00
A	22	475.00	4530.00	7000.00	2.450	.000	20.00	.00	.00	.00	.00
A	23	482.00	4529.00	4000.00	2.800	.000	20.00	.00	.00	.00	.00
A	24	482.00	4533.00	4000.00	.010	.000	20.00	.00	.00	.00	.00
A	25	443.00	4535.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	26	443.00	4536.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
A	27	443.00	4538.00	2000.00	4.060	.000	20.00	.00	.00	.00	.00
A	28	443.00	4540.00	2000.00	.760	.000	20.00	.00	.00	.00	.00
A	29	443.00	4542.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
A	30	443.00	4544.00	2000.00	1.910	.000	20.00	.00	.00	.00	.00
A	31	443.00	4546.00	4000.00	5.510	.000	20.00	.00	.00	.00	.00
A	32	443.00	4550.00	4000.00	2.540	.000	20.00	.00	.00	.00	.00
A	33	443.00	4554.00	4000.00	2.200	.000	20.00	.00	.00	.00	.00
A	34	443.00	4558.00	4000.00	.020	.000	20.00	.00	.00	.00	.00
A	35	444.00	4535.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	36	445.00	4529.00	4000.00	2.090	.000	20.00	.00	.00	.00	.00
A	37	445.00	4533.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
A	38	445.00	4535.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	39	445.00	4536.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	40	445.00	4537.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	41	445.00	4538.00	2000.00	8.050	.000	20.00	.00	.00	.00	.00
A	42	445.00	4540.00	2000.00	2.400	.000	20.00	.00	.00	.00	.00
A	43	445.00	4542.00	2000.00	4.170	.000	20.00	.00	.00	.00	.00
A	44	445.00	4544.00	2000.00	4.280	.000	20.00	.00	.00	.00	.00
A	45	446.00	4535.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	46	446.00	4536.00	2000.00	.390	.000	20.00	.00	.00	.00	.00
A	47	447.00	4533.00	3000.00	4.870	.000	20.00	.00	.00	.00	.00
A	48	447.00	4538.00	2000.00	3.660	.000	20.00	.00	.00	.00	.00
A	49	447.00	4540.00	2000.00	20.540	.000	20.00	.00	.00	.00	.00
A	50	447.00	4542.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
A	51	447.00	4544.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
A	52	447.00	4546.00	2000.00	.010	.000	20.00	.00	.00	.00	.00

CDM1 VERSION 78130. RUN 11

SOURCE	INPUT ID	X(KM)	Y(KM)	H(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	53	447.00	4548.00	2000.00	1.63U	.000	20.00	.00	.00	.00	.00
A	54	447.00	4550.00	2000.00	.01U	.000	20.00	.00	.00	.00	.00
A	55	447.00	4552.00	2000.00	6.25U	.000	20.00	.00	.00	.00	.00
A	56	447.00	4554.00	4000.00	9.17U	.000	20.00	.00	.00	.00	.00
A	57	447.00	4556.00	4000.00	.02U	.000	20.00	.00	.00	.00	.00
A	58	448.00	4536.00	2000.00	.01U	.000	20.00	.00	.00	.00	.00
A	59	449.00	4524.00	4000.00	2.74U	.000	20.00	.00	.00	.00	.00
A	60	449.00	4538.00	2000.00	7.57U	.000	20.00	.00	.00	.00	.00
A	61	449.00	4540.00	2000.00	16.50U	.000	20.00	.00	.00	.00	.00
A	62	449.00	4542.00	2000.00	6.61U	.000	20.00	.00	.00	.00	.00
A	63	449.00	4544.00	2000.00	.01U	.000	20.00	.00	.00	.00	.00
A	64	449.00	4546.00	2000.00	1.49U	.000	20.00	.00	.00	.00	.00
A	65	449.00	4548.00	2000.00	1.92U	.000	20.00	.00	.00	.00	.00
A	66	449.00	4550.00	2000.00	4.01U	.000	20.00	.00	.00	.00	.00
A	67	449.00	4552.00	2000.00	6.18U	.000	20.00	.00	.00	.00	.00
A	68	450.00	4533.00	3000.00	3.23U	.000	20.00	.00	.00	.00	.00
A	69	450.00	4536.00	2000.00	.01U	.000	20.00	.00	.00	.00	.00
A	70	451.00	4538.00	2000.00	.01U	.000	20.00	.00	.00	.00	.00
A	71	451.00	4540.00	2000.00	5.13U	.000	25.00	.00	.00	.00	.00
A	72	451.00	4542.00	1000.00	1.50U	.000	25.00	.00	.00	.00	.00
A	73	451.00	4543.00	1000.00	.00U	.000	20.00	.00	.00	.00	.00
A	74	451.00	4544.00	2000.00	6.97U	.000	25.00	.00	.00	.00	.00
A	75	451.00	4546.00	2000.00	10.00U	.000	20.00	.00	.00	.00	.00
A	76	451.00	4548.00	2000.00	11.81U	.000	20.00	.00	.00	.00	.00
A	77	451.00	4550.00	2000.00	9.46U	.000	20.00	.00	.00	.00	.00
A	78	451.00	4552.00	2000.00	9.17U	.000	20.00	.00	.00	.00	.00
A	79	451.00	4554.00	4000.00	5.29U	.000	20.00	.00	.00	.00	.00
A	80	451.00	4556.00	4000.00	1.36U	.000	20.00	.00	.00	.00	.00
A	81	452.00	4536.00	2000.00	9.28U	.000	20.00	.00	.00	.00	.00
A	82	452.00	4542.00	1000.00	1.23U	.000	25.00	.00	.00	.00	.00
A	83	452.00	4543.00	1000.00	5.17U	.000	25.00	.00	.00	.00	.00
A	84	453.00	4529.00	7000.00	13.02U	.000	20.00	.00	.00	.00	.00
A	85	453.00	4538.00	2000.00	1.47U	.000	20.00	.00	.00	.00	.00
A	86	453.00	4540.00	2000.00	3.31U	.000	20.00	.00	.00	.00	.00
A	87	453.00	4542.00	1000.00	.62U	.000	20.00	.00	.00	.00	.00
A	88	453.00	4543.00	1000.00	3.77U	.000	25.00	.00	.00	.00	.00
A	89	453.00	4544.00	1000.00	4.10U	.000	25.00	.00	.00	.00	.00
A	90	453.00	4545.00	1000.00	2.74U	.000	25.00	.00	.00	.00	.00
A	91	453.00	4546.00	1000.00	4.30U	.000	20.00	.00	.00	.00	.00
A	92	453.00	4547.00	1000.00	2.67U	.000	20.00	.00	.00	.00	.00
A	93	453.00	4548.00	1000.00	5.60U	.000	20.00	.00	.00	.00	.00
A	94	453.00	4549.00	1000.00	4.27U	.000	20.00	.00	.00	.00	.00
A	95	453.00	4550.00	2000.00	9.72U	.000	20.00	.00	.00	.00	.00
A	96	453.00	4552.00	2000.00	2.42U	.000	20.00	.00	.00	.00	.00
A	97	454.00	4536.00	2000.00	5.18U	.000	20.00	.00	.00	.00	.00
A	98	454.00	4542.00	1000.00	2.04U	.000	25.00	.00	.00	.00	.00
A	99	454.00	4543.00	1000.00	.00U	.000	20.00	.00	.00	.00	.00
A	100	454.00	4544.00	1000.00	2.20U	.000	25.00	.00	.00	.00	.00
A	101	454.00	4545.00	1000.00	4.46U	.000	25.00	.00	.00	.00	.00
A	102	454.00	4546.00	1000.00	6.21U	.000	20.00	.00	.00	.00	.00

102	454.0	4546.0	1000.00	5.210	.000	20.00	.00	.00	.00	.00
103	454.0	4547.0	1000.00	5.200	.000	20.00	.00	.00	.00	.00

CRMI VERSION 10130. RUN 11

SOURCE	INPUT ID	X(KM)	Y(KM)	LX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A	104	454.00	4548.00	1000.00	7.840	.000	20.00	.00	.00	.00	.00
A	105	454.00	4549.00	1000.00	7.410	.000	20.00	.00	.00	.00	.00
A	106	455.00	4536.00	2000.00	3.100	.000	20.00	.00	.00	.00	.00
A	107	455.00	4540.00	2000.00	1.950	.000	25.00	.00	.00	.00	.00
A	108	455.00	4542.00	1000.00	4.140	.000	25.00	.00	.00	.00	.00
A	109	455.00	4543.00	1000.00	.180	.000	25.00	.00	.00	.00	.00
A	110	455.00	4544.00	1000.00	5.240	.000	25.00	.00	.00	.00	.00
A	111	455.00	4545.00	1000.00	5.400	.000	25.00	.00	.00	.00	.00
A	112	455.00	4546.00	1000.00	1.530	.000	20.00	.00	.00	.00	.00
A	113	455.00	4547.00	1000.00	3.530	.000	20.00	.00	.00	.00	.00
A	114	455.00	4548.00	1000.00	4.430	.000	20.00	.00	.00	.00	.00
A	115	455.00	4549.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	116	455.00	4550.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	117	455.00	4551.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	118	455.00	4552.00	2000.00	3.030	.000	20.00	.00	.00	.00	.00
A	119	455.00	4554.00	2000.00	2.100	.000	20.00	.00	.00	.00	.00
A	120	455.00	4556.00	2000.00	1.190	.000	20.00	.00	.00	.00	.00
A	121	455.00	4558.00	4000.00	1.000	.000	20.00	.00	.00	.00	.00
A	122	456.00	4536.00	2000.00	4.200	.000	20.00	.00	.00	.00	.00
A	123	456.00	4542.00	1000.00	5.040	.000	25.00	.00	.00	.00	.00
A	124	456.00	4543.00	1000.00	3.930	.000	25.00	.00	.00	.00	.00
A	125	456.00	4544.00	1000.00	1.000	.000	25.00	.00	.00	.00	.00
A	126	456.00	4545.00	1000.00	4.810	.000	25.00	.00	.00	.00	.00
A	127	456.00	4546.00	1000.00	4.700	.000	20.00	.00	.00	.00	.00
A	128	456.00	4547.00	1000.00	1.510	.000	20.00	.00	.00	.00	.00
A	129	456.00	4548.00	1000.00	4.040	.000	20.00	.00	.00	.00	.00
A	130	456.00	4549.00	1000.00	2.320	.000	20.00	.00	.00	.00	.00
A	131	456.00	4550.00	1000.00	1.080	.000	20.00	.00	.00	.00	.00
A	132	456.00	4551.00	1000.00	3.190	.000	20.00	.00	.00	.00	.00
A	133	457.00	4538.00	2000.00	3.040	.000	20.00	.00	.00	.00	.00
A	134	457.00	4540.00	2000.00	.600	.000	25.00	.00	.00	.00	.00
A	135	457.00	4542.00	1000.00	3.660	.000	25.00	.00	.00	.00	.00
A	136	457.00	4543.00	1000.00	5.970	.000	25.00	.00	.00	.00	.00
A	137	457.00	4544.00	1000.00	4.440	.000	25.00	.00	.00	.00	.00
A	138	457.00	4545.00	1000.00	3.830	.000	25.00	.00	.00	.00	.00
A	139	457.00	4546.00	1000.00	3.500	.000	20.00	.00	.00	.00	.00
A	140	457.00	4547.00	1000.00	4.590	.000	20.00	.00	.00	.00	.00
A	141	457.00	4548.00	1000.00	2.610	.000	20.00	.00	.00	.00	.00
A	142	457.00	4549.00	1000.00	5.310	.000	20.00	.00	.00	.00	.00
A	143	457.00	4550.00	1000.00	4.810	.000	20.00	.00	.00	.00	.00
A	144	457.00	4551.00	1000.00	1.640	.000	20.00	.00	.00	.00	.00
A	145	457.00	4552.00	1000.00	1.970	.000	20.00	.00	.00	.00	.00
A	146	457.00	4553.00	1000.00	3.210	.000	20.00	.00	.00	.00	.00
A	147	457.00	4554.00	1000.00	3.660	.000	20.00	.00	.00	.00	.00
A	148	457.00	4555.00	1000.00	1.450	.000	20.00	.00	.00	.00	.00
A	149	457.00	4556.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
A	150	458.00	4536.00	2000.00	3.010	.000	20.00	.00	.00	.00	.00
A	151	458.00	4542.00	1000.00	3.000	.000	25.00	.00	.00	.00	.00
A	152	458.00	4543.00	1000.00	6.380	.000	25.00	.00	.00	.00	.00
A	153	458.00	4544.00	1000.00	1.000	.000	25.00	.00	.00	.00	.00
A	154	458.00	4545.00	1000.00	4.090	.000	25.00	.00	.00	.00	.00

COMI VERSION (5)30. RUN 11

SOURCE	INPUT ID	X(KM)	Y(KM)	IX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	155	458.00	4546.00	1000.00	5.590	.000	20.00	.00	.00	.00	.00
A	156	458.00	4547.00	1000.00	5.530	.000	20.00	.00	.00	.00	.00
A	157	458.00	4548.00	1000.00	1.670	.000	20.00	.00	.00	.00	.00
A	158	458.00	4549.00	1000.00	4.200	.000	20.00	.00	.00	.00	.00
A	159	458.00	4550.00	1000.00	2.670	.000	20.00	.00	.00	.00	.00
A	160	458.00	4551.00	1000.00	4.510	.000	20.00	.00	.00	.00	.00
A	161	458.00	4552.00	1000.00	4.230	.000	20.00	.00	.00	.00	.00
A	162	458.00	4553.00	1000.00	7.480	.000	20.00	.00	.00	.00	.00
A	163	458.00	4554.00	1000.00	2.750	.000	20.00	.00	.00	.00	.00
A	164	458.00	4555.00	1000.00	5.060	.000	20.00	.00	.00	.00	.00
A	165	459.00	4538.00	2000.00	3.510	.000	20.00	.00	.00	.00	.00
A	166	459.00	4540.00	2000.00	4.790	.000	25.00	.00	.00	.00	.00
A	167	459.00	4542.00	1000.00	1.730	.000	25.00	.00	.00	.00	.00
A	168	459.00	4543.00	1000.00	1.770	.000	25.00	.00	.00	.00	.00
A	169	459.00	4544.00	1000.00	1.970	.000	25.00	.00	.00	.00	.00
A	170	459.00	4545.00	1000.00	5.110	.000	25.00	.00	.00	.00	.00
A	171	459.00	4546.00	1000.00	4.350	.000	20.00	.00	.00	.00	.00
A	172	459.00	4547.00	1000.00	2.700	.000	20.00	.00	.00	.00	.00
A	173	459.00	4548.00	2000.00	4.380	.000	20.00	.00	.00	.00	.00
A	174	459.00	4550.00	2000.00	5.400	.000	20.00	.00	.00	.00	.00
A	175	459.00	4552.00	2000.00	15.070	.000	20.00	.00	.00	.00	.00
A	176	459.00	4554.00	1000.00	3.140	.000	20.00	.00	.00	.00	.00
A	177	459.00	4555.00	1000.00	7.570	.000	20.00	.00	.00	.00	.00
A	178	459.00	4556.00	2000.00	4.600	.000	20.00	.00	.00	.00	.00
A	179	459.00	4558.00	4000.00	5.490	.000	20.00	.00	.00	.00	.00
A	180	460.00	4528.00	5000.00	.030	.000	20.00	.00	.00	.00	.00
A	181	460.00	4533.00	5000.00	9.510	.000	20.00	.00	.00	.00	.00
A	182	460.00	4542.00	2000.00	6.200	.000	20.00	.00	.00	.00	.00
A	183	460.00	4544.00	2000.00	8.420	.000	20.00	.00	.00	.00	.00
A	184	460.00	4546.00	1000.00	6.230	.000	20.00	.00	.00	.00	.00
A	185	460.00	4547.00	1000.00	2.700	.000	20.00	.00	.00	.00	.00
A	186	460.00	4554.00	1000.00	1.440	.000	20.00	.00	.00	.00	.00
A	187	460.00	4555.00	1000.00	4.120	.000	20.00	.00	.00	.00	.00
A	188	461.00	4538.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
A	189	461.00	4540.00	2000.00	1.490	.000	20.00	.00	.00	.00	.00
A	190	461.00	4546.00	1000.00	5.940	.000	20.00	.00	.00	.00	.00
A	191	461.00	4547.00	1000.00	1.320	.000	20.00	.00	.00	.00	.00
A	192	461.00	4548.00	2000.00	5.020	.000	20.00	.00	.00	.00	.00
A	193	461.00	4550.00	2000.00	2.330	.000	20.00	.00	.00	.00	.00
A	194	461.00	4552.00	2000.00	4.930	.000	20.00	.00	.00	.00	.00
A	195	461.00	4554.00	2000.00	3.610	.000	20.00	.00	.00	.00	.00
A	196	461.00	4556.00	2000.00	9.600	.000	20.00	.00	.00	.00	.00
A	197	462.00	4542.00	2000.00	7.850	.000	20.00	.00	.00	.00	.00
A	198	462.00	4544.00	2000.00	20.370	.000	20.00	.00	.00	.00	.00
A	199	462.00	4546.00	1000.00	2.330	.000	20.00	.00	.00	.00	.00
A	200	462.00	4547.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	201	463.00	4538.00	2000.00	3.520	.000	20.00	.00	.00	.00	.00
A	202	463.00	4540.00	2000.00	4.070	.000	20.00	.00	.00	.00	.00
A	203	463.00	4546.00	4000.00	16.420	.000	20.00	.00	.00	.00	.00
A	204	463.00	4550.00	4000.00	6.970	.000	20.00	.00	.00	.00	.00
A	205	463.00	4554.00	2000.00	8.410	.000	20.00	.00	.00	.00	.00

CDM VERSION 6.130+ RUN 11

SOURCE	INPUT ID	X(KM)	Y(KM)	Z(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	206	463.00	4555.00	2000.00	9.530	.000	20.00	.00	.00	.00	.00
A	207	463.00	4558.00	4000.00	6.230	.000	20.00	.00	.00	.00	.00
A	208	464.00	4542.00	2000.00	5.460	.000	20.00	.00	.00	.00	.00
A	209	464.00	4544.00	2000.00	5.790	.000	20.00	.00	.00	.00	.00
A	210	465.00	4537.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	211	465.00	4538.00	2000.00	.720	.000	20.00	.00	.00	.00	.00
A	212	465.00	4540.00	2000.00	1.460	.000	20.00	.00	.00	.00	.00
A	213	465.00	4554.00	2000.00	.730	.000	20.00	.00	.00	.00	.00
A	214	465.00	4556.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
A	215	466.00	4537.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	216	466.00	4542.00	1000.00	1.490	.000	20.00	.00	.00	.00	.00
A	217	466.00	4543.00	1000.00	3.460	.000	20.00	.00	.00	.00	.00
A	218	466.00	4544.00	1000.00	2.100	.000	20.00	.00	.00	.00	.00
A	219	466.00	4545.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	220	467.00	4537.00	3000.00	.000	.000	20.00	.00	.00	.00	.00
A	221	467.00	4540.00	4000.00	2.570	.000	20.00	.00	.00	.00	.00
A	222	467.00	4544.00	4000.00	1.620	.000	20.00	.00	.00	.00	.00
A	223	467.00	4548.00	4000.00	4.610	.000	20.00	.00	.00	.00	.00
A	224	467.00	4552.00	3000.00	2.800	.000	20.00	.00	.00	.00	.00
A	225	467.00	4555.00	3000.00	6.610	.000	20.00	.00	.00	.00	.00
A	226	467.00	4558.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	227	467.00	4560.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	228	468.00	4560.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	229	469.00	4558.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	230	469.00	4559.00	1000.00	2.070	.000	20.00	.00	.00	.00	.00
A	231	469.00	4560.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	232	470.00	4537.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	233	470.00	4538.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	234	470.00	4539.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	235	470.00	4552.00	2000.00	1.630	.000	20.00	.00	.00	.00	.00
A	236	470.00	4554.00	2000.00	11.900	.000	20.00	.00	.00	.00	.00
A	237	470.00	4556.00	2000.00	2.340	.000	20.00	.00	.00	.00	.00
A	238	470.00	4558.00	2000.00	.470	.000	20.00	.00	.00	.00	.00
A	239	470.00	4560.00	1000.00	.150	.000	20.00	.00	.00	.00	.00
A	240	471.00	4537.00	5000.00	.000	.000	20.00	.00	.00	.00	.00
A	241	471.00	4542.00	5000.00	1.480	.000	20.00	.00	.00	.00	.00
A	242	471.00	4547.00	5000.00	.700	.000	20.00	.00	.00	.00	.00
A	243	471.00	4560.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	244	472.00	4552.00	2000.00	1.360	.000	20.00	.00	.00	.00	.00
A	245	472.00	4554.00	2000.00	1.420	.000	20.00	.00	.00	.00	.00
A	246	472.00	4556.00	2000.00	1.950	.000	20.00	.00	.00	.00	.00
A	247	472.00	4558.00	4000.00	.490	.000	20.00	.00	.00	.00	.00
A	248	474.00	4552.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	249	474.00	4554.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	250	474.00	4556.00	2000.00	.460	.000	20.00	.00	.00	.00	.00
A	251	476.00	4537.00	4000.00	.000	.000	20.00	.00	.00	.00	.00
A	252	476.00	4541.00	4000.00	2.390	.000	20.00	.00	.00	.00	.00
A	253	476.00	4545.00	4000.00	.000	.000	20.00	.00	.00	.00	.00
A	254	476.00	4549.00	4000.00	2.330	.000	20.00	.00	.00	.00	.00
A	255	476.00	4553.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	256	476.00	4555.00	2000.00	3.760	.000	20.00	.00	.00	.00	.00

CDMI VERSION 70130. RUN II

SOURCE	INPUT ID	X(KM)	Y(KM)	Z(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	257	476.00	4557.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	258	476.00	4559.00	2000.00	.030	.000	20.00	.00	.00	.00	.00
A	259	478.00	4553.00	2000.00	.470	.000	20.00	.00	.00	.00	.00
A	260	478.00	4555.00	2000.00	5.500	.000	20.00	.00	.00	.00	.00
A	261	478.00	4557.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	262	478.00	4559.00	2000.00	1.240	.000	20.00	.00	.00	.00	.00
A	263	480.00	4537.00	4000.00	.000	.000	20.00	.00	.00	.00	.00
A	264	480.00	4541.00	4000.00	1.470	.000	20.00	.00	.00	.00	.00
A	265	480.00	4545.00	4000.00	.000	.000	20.00	.00	.00	.00	.00
A	266	480.00	4549.00	4000.00	3.040	.000	20.00	.00	.00	.00	.00
A	267	480.00	4553.00	2000.00	.440	.000	20.00	.00	.00	.00	.00
A	268	480.00	4555.00	2000.00	5.500	.000	20.00	.00	.00	.00	.00
A	269	480.00	4557.00	2000.00	1.460	.000	20.00	.00	.00	.00	.00
A	270	480.00	4559.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	271	482.00	4553.00	2000.00	.330	.000	20.00	.00	.00	.00	.00
A	272	482.00	4555.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	273	482.00	4557.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	274	482.00	4559.00	2000.00	.000	.000	20.00	.00	.00	.00	.00

273 AREA SOURCE(S). 45 POINT SOURCE(S).

#ADD.P PSBML*AKCALSITE.

COM] VERSION 70130. RUN 11
(MICROGRAMS PER CUBIC METER)
AARON CALIBRATION

RECEPTOR ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
1	441.20	4535.80	4.34	.00	10.12	.00	14.46	.00	14.46	.00	29	0
2	449.00	4540.70	17.77	.00	23.71	.00	41.48	.00	41.48	.00	40	0
3	453.10	4544.00	34.22	.00	32.64	.00	66.86	.00	66.86	.00	54	0
4	458.40	4550.30	28.74	.00	47.22	.00	76.00	.00	76.00	.00	71	0
5	460.70	4545.80	26.04	.00	32.99	.00	59.03	.00	59.03	.00	42	0
6	479.50	4556.00	3.78	.00	9.45	.00	13.23	.00	13.23	.00	32	0
7	456.60	4547.60	12.16	.00	34.80	.00	66.96	.00	66.96	.00	44	0

22A

CLEVELAND CDM CALIBRATION

CDMI VERSION 7/0130. RUN 14

THE CENTRAL WIND SPEEDS OF THE SIX WIND SPEED CLASSES (U):

.150000+01	.245572+01	.447040+01	.692912+01	.961136+01	.125171+02

THE EXPONENTIAL OF THE VERTICAL WIND PROFILE BY STABILITY CLASS (UE):

.100000+00	.150000+00	.200000+00	.250000+00	.250000+00	.300000+00

THE INITIAL SIGMA Z FOR AREA SOURCES BY STABILITY CLASS (SZA):

.300000+02	.300000+02	.300000+02	.300000+02	.300000+02	.300000+02

THE CLIMATOLOGICAL MEAN NOCTURNAL AND AFTERNOON MIXING HEIGHTS (HMIN,HT):

.550000+03	.120000+04

THE DAY AND NIGHT EMISSION WEIGHT FACTORS (YD,YN):

.114000+01	.850000+00

THE X-MIN AND Y-MIN OF THE AREA EMISSION INVENTORY GRID (XG,YG):

.390000+03	.455000+04

THE WIDTH OF A BASIC AREA SOURCE SQUARE (TAX):

.125000+04

THE NUMBER OF SUB-SECTORS CONSIDERED IN A 22.5 DEGREE SECTOR, AND ANGULAR WIDTH OF A SUB-SECTOR (DINT,THETA):

.400000+01	.562500+01

THE INITIAL RADIAL INCREMENT (DELR):

.500000+03

THE RADIAL INCREMENT FACTORS (INC):

1	2	4	4

THE RATIO OF EMISSION GRID TO MAP GRID (RAT):

.125000+01

THE GRID CONVERSION FACTOR (CV):

.100000+04

THE AMBIENT AIR TEMPERATURE (TOA):

.283260+03

THE DECAY RATE HALF LIFE FOR P 1 AND P 2 (CB):

.400000+01	.999999+06

INTERCEPTS FOR P 1 AND P 2 (CA):

.000000	.000000

SLOPES FOR P 1 AND P 2 (CB AND CC):

.000000	.100000+01	.100000+01	.100000+01		

THE SIGMA Z COEFFICIENT TABLE (G):

.253900-03	.253900-03	.383000-01	.208860+01	.208860+01	.128120+01
.493600-01	.493600-01	.139300+00	.111370+01	.111370+01	.546700+00
.115400+00	.101400+00	.114000+00	.910900+00	.926000+00	.910000+00
.736800+00	.259100+00	.858000-01	.584200+00	.686900+00	.865000+00
.129690+01	.252700+00	.818000-01	.442100+00	.634100+00	.815500+00

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SECTOR	U1	U2	U3	U4	U5	U6
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 1			
1	.000000	.000000	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000	.000000	.000000
5	.000000	.000000	.000000	.000000	.000000	.000000
6	.000000	.000000	.000000	.000000	.000000	.000000
7	.000000	.000000	.000000	.000000	.000000	.000000
8	.000000	.000000	.000000	.000000	.000000	.000000
9	.000000	.000000	.000000	.000000	.000000	.000000
10	.000000	.000000	.000000	.000000	.000000	.000000
11	.000000	.000000	.000000	.000000	.000000	.000000
12	.000000	.000000	.000000	.000000	.000000	.000000
13	.000000	.000000	.000000	.000000	.000000	.000000
14	.000000	.000000	.000000	.000000	.000000	.000000
15	.340000-03	.340000-03	.000000	.000000	.000000	.000000
16	.000000	.000000	.000000	.000000	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 2			
1	.200000-03	.240000-02	.479000-02	.000000	.000000	.000000
2	.430000-03	.680000-03	.137000-02	.000000	.000000	.000000
3	.600000-04	.680000-03	.000000	.000000	.000000	.000000
4	.400000-03	.340000-03	.000000	.000000	.000000	.000000
5	.300000-04	.340000-03	.000000	.000000	.000000	.000000
6	.000000	.000000	.340000-03	.000000	.000000	.000000
7	.000000	.000000	.000000	.000000	.000000	.000000
8	.370000-03	.000000	.340000-03	.000000	.000000	.000000
9	.114000-02	.340000-03	.680000-03	.000000	.000000	.000000
10	.830000-03	.103000-02	.340000-03	.000000	.000000	.000000
11	.500000-03	.205000-02	.103000-02	.000000	.000000	.000000
12	.460000-03	.137000-02	.137000-02	.000000	.000000	.000000
13	.900000-04	.103000-02	.137000-02	.000000	.000000	.000000
14	.600000-04	.680000-03	.680000-03	.000000	.000000	.000000
15	.300000-04	.340000-03	.680000-03	.000000	.000000	.000000
16	.830000-03	.103000-02	.137000-02	.000000	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 3			
1	.450000-03	.308000-02	.119000-01	.342000-02	.340000-03	.000000
2	.100000-03	.680000-03	.445000-02	.137000-02	.000000	.000000
3	.500000-04	.340000-03	.274000-02	.340000-03	.000000	.000000
4	.000000	.000000	.000000	.000000	.000000	.000000
5	.500000-04	.340000-03	.680000-03	.000000	.000000	.000000
6	.000000	.000000	.000000	.000000	.000000	.000000
7	.000000	.000000	.171000-02	.000000	.000000	.000000
8	.490000-03	.680000-03	.171000-02	.000000	.340000-03	.000000
9	.183000-02	.308000-02	.582000-02	.103000-02	.000000	.000000
10	.168000-02	.205000-02	.308000-02	.103000-02	.000000	.340000-03
11	.300000-03	.205000-02	.651000-02	.340000-03	.000000	.000000
12	.250000-03	.171000-02	.479000-02	.680000-03	.340000-03	.000000
13	.560000-03	.137000-02	.205000-02	.340000-03	.000000	.000000
14	.390000-03	.000000	.411000-02	.000000	.000000	.000000
15	.000000	.000000	.205000-02	.680000-03	.000000	.000000
16	.440000-03	.340000-03	.377000-02	.103000-02	.000000	.000000

SECTOR	U1	U2	U3	U4	U5	U6
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 4			
1	.170000-03	.411000-02	.959000-02	.102700-01	.680000-03	.000000
2	.900000-04	.205000-02	.719000-02	.753000-02	.137000-02	.000000
3	.600000-04	.137000-02	.479000-02	.377000-02	.171000-02	.340000-03
4	.440000-03	.205000-02	.171000-02	.171000-02	.000000	.340000-03
5	.400000-04	.103000-02	.240000-02	.377000-02	.000000	.000000
6	.300000-04	.680000-03	.103000-02	.103000-02	.000000	.000000
7	.300000-04	.680000-03	.377000-02	.103000-02	.000000	.000000
8	.170000-03	.274000-02	.240000-02	.377000-02	.000000	.000000
9	.200000-03	.479000-02	.719000-01	.219200-01	.616000-02	.137000-02
10	.180000-03	.445000-02	.856000-02	.147300-01	.411000-02	.680000-03
11	.260000-03	.616000-02	.753000-02	.174700-01	.548000-02	.240000-02
12	.540000-03	.445000-02	.993000-02	.159700-01	.342000-02	.000000
13	.790000-03	.171000-02	.856000-02	.167800-01	.205000-02	.680000-03
14	.100000-04	.340000-03	.514000-02	.753000-02	.680000-03	.340000-03
15	.400000-04	.103000-02	.548000-02	.856000-02	.274000-02	.000000
16	.410000-03	.137000-02	.479000-02	.342000-02	.340000-03	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 5			
1	.125000-02	.514000-02	.180400-01	.959000-02	.680000-03	.000000
2	.700000-04	.680000-03	.753000-02	.582000-02	.103000-02	.000000
3	.200000-03	.205000-02	.753000-02	.616000-02	.171000-02	.340000-03
4	.440000-03	.680000-03	.479000-02	.308000-02	.340000-03	.000000
5	.700000-04	.680000-03	.308000-02	.205000-02	.340000-03	.000000
6	.700000-04	.680000-03	.274000-02	.103000-02	.000000	.000000
7	.130000-03	.137000-02	.582000-02	.205000-02	.340000-03	.000000
8	.140000-02	.377000-02	.959000-02	.411000-02	.680000-03	.000000
9	.470000-03	.479000-02	.274000-01	.294500-01	.308000-02	.103000-02
10	.680000-03	.137000-02	.479000-01	.133600-01	.340000-03	.103000-02
11	.110000-02	.445000-02	.140400-01	.102700-01	.103000-02	.680000-03
12	.115000-02	.411000-02	.137000-01	.102700-01	.137000-02	.103000-02
13	.710000-03	.342000-02	.856000-02	.109600-01	.240000-02	.680000-03
14	.510000-03	.137000-02	.445000-02	.822000-02	.103000-02	.680000-03
15	.840000-03	.479000-02	.445000-02	.445000-02	.000000	.000000
16	.130000-03	.137000-02	.856000-02	.651000-02	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 6			
1	.401000-02	.102700-01	.479000-02	.000000	.000000	.000000
2	.138000-02	.479000-02	.137000-02	.000000	.000000	.000000
3	.166000-02	.411000-02	.205000-02	.000000	.000000	.000000
4	.133000-02	.137000-02	.680000-03	.000000	.000000	.000000
5	.350000-03	.274000-02	.103000-02	.000000	.000000	.000000
6	.129000-02	.103000-02	.680000-03	.000000	.000000	.000000
7	.790000-03	.616000-02	.680000-03	.000000	.000000	.000000
8	.436000-02	.130100-01	.205000-02	.000000	.000000	.000000
9	.107900-01	.301400-01	.150700-01	.000000	.000000	.000000
10	.634000-02	.154400-01	.119900-01	.000000	.000000	.000000
11	.432000-02	.157500-01	.719000-02	.000000	.000000	.000000
12	.108000-02	.548000-02	.240000-02	.000000	.000000	.000000
13	.950000-03	.137000-02	.137000-02	.000000	.000000	.000000
14	.600000-03	.171000-02	.340000-03	.000000	.000000	.000000
15	.254000-02	.479000-02	.680000-03	.000000	.000000	.000000
16	.950000-03	.171000-02	.340000-03	.000000	.000000	.000000

COMI VERSION /5130. JUN 14

SOURCE INPUT

ID	X(KM)	Y(KM)	TA(M)	SO2(G/SEC)	ISP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG)	SA(M**2/SEC)
SOURCE NO. 1	DIVISION OF POWER&LIGHT-CLEV.MUNY.B001-COAL-BOILERS#1,2&3MARGINALDR/CLE/CUY									
P 1	[illegible]	[illegible]	.00	[illegible]	.000	49.80	2.90	13.60	160.00	.00
SOURCE NO. 2	DIVISION OF POWER&LIGHT-CLEV.MUNY.B002-6,COAL,BOILERS #2-6,MARGINALDR/CLE/CUY									
P 2	445.30	4597.60	.00	302.200	.000	52.70	2.60	10.80	177.00	.00
SOURCE NO. 3	DIVISION PUMPINGSTATION,B001-6,COAL,1245W45TH/CLE/CUY,									
P 3	440.50	4593.30	.00	78.470	.000	69.50	2.74	4.14	249.00	.00
SOURCE NO. 4	CEI-LAKESHORE,B006,COAL,UNIT#10,5800MARGINALDR/CLE/CUY									
P 4	446.40	4599.30	.00	998.000	.000	97.60	5.20	12.50	147.00	.00
SOURCE NO. 5	CEI-LAKESHORE,B004,COAL,UNIT#94MARGINALDR/CLE/CUY									
P 5	446.40	4598.30	.00	342.000	.000	81.70	3.70	9.70	118.00	.00
SOURCE NO. 6	CEI-LAKESHORE,B003,COAL,UNIT#93,MARGINALDR/CLE/CUY									
P 6	446.40	4598.30	.00	327.000	.000	81.70	3.70	9.70	118.00	.00
SOURCE NO. 7	CEI-LAKESHORE,B002&5,COAL&OIL,UNIT#92&TURBINEMARGINALDR/CLE/CUY									
P 7	446.40	4598.30	.00	286.000	.000	81.70	3.70	7.10	116.00	.00
SOURCE NO. 8	CEI-LAKESHORE,B001,COAL,UNIT#91,MARGINALDR/CLE/CUY									
P 8	446.40	4598.30	.00	293.000	.000	81.70	3.70	7.10	116.00	.00
SOURCE NO. 9	CEI-CANALROAD-STEAMHEATINGPLANT,B001-5,COAL,2274CANALRD/CLE/CUY,(73)									
P 9	442.40	4593.70	.00	60.000	.000	95.70	3.70	9.00	304.00	.00
SOURCE NO. 10	CEI-HAMILTONAVE/STEAMHEATINGPLANT,B001-6,OIL,1901HAMAVE/CLE/CUY									
P 10	444.30	4596.20	.00	18.200	.000	87.00	4.30	8.00	274.00	.00
SOURCE NO. 11	DUPONTCHEMICAL,B001,BOILER#1&2,OIL,4581INDEPENDENCE/CLE./CUY(73)									
P 11	444.50	4590.40	.00	2.900	.000	15.00	1.20	10.90	171.00	.00
SOURCE NO. 12	DUPONT CHEMICAL-SULFUR BURNING CONTACT PROCESS,P001,INDEPENDENCE/CLE./CUY73)									
P 12	444.50	4590.40	.00	54.500	.000	61.00	1.40	11.00	80.00	125.00
SOURCE NO. 13	FMC-FISHERBODY,B001-3,BOILERS#1,2,&3,13815COLTRD/CLE/CUY									
P 13	450.80	4600.30	.00	25.800	.000	45.70	3.30	3.60	232.00	.00
SOURCE NO. 14	FMC-CLEV.CASTINGPLANT,P011&15,CUPOLA#1-5,5600ENGLE/BROOKPK/CUY									
P 14	431.20	4584.60	.00	28.700	.000	40.00	1.70	17.00	74.00	.00
SOURCE NO. 15	FMC-CLEV.CASTINGPLANT,P016,CUPOLA#6,5600ENGLE/BROOKPK/CUY									
P 15	431.20	4584.40	.00	7.000	.000	40.00	3.40	6.10	71.00	.00
SOURCE NO. 16	FMC-CLEV.CASTINGPLANT,P017,CUPOLA#7,5600ENGLE/BROOKPK/CUY									
P 16	431.20	4584.30	.00	6.400	.000	40.00	3.40	18.70	160.00	.00
SOURCE NO. 17	FMC-ENGINEPLANT#2,B020-24,BOILER#1-5,18300FIVEPOINTRD/BROOKPK/CUY(73)									
P 17	430.70	4583.80	.00	151.500	.000	41.80	4.60	6.00	293.00	.00
SOURCE NO. 18	FMC-STAMPINGPLANT,B002-4,BOILERS#3,2,1,7845NORTHFIELDRD/WALTONHILLS/CUY									
P 18	456.10	4577.90	.00	13.400	.000	23.80	1.40	6.70	196.00	.00
SOURCE NO. 19	GENERALELECTRIC-REF.MET.PROD.,B001-02,OIL,BOILER#1,2,21800TUNGSTENRD/EUCLID/CUY									
P 19	455.60	4602.70	.00	20.500	.000	15.50	1.40	13.50	232.00	.00
SOURCE NO. 20	GENERALELECTRIC,B003-04,COAL,BOILERS#3,#5,TUNGSTENRD/EUCLID/CUY STANDBY									
P 20	455.60	4602.70	.00	13.300	.000	45.70	2.00	2.80	260.00	.00
SOURCE NO. 21	HARSHAWCHEMICAL,B001,OIL,BOILER#7,1000HARVARD/CLE/CUY									
P 21	442.70	4588.50	.00	3.200	.000	19.80	1.80	5.50	204.00	.00
SOURCE NO. 22	HARSHAWCHEMICAL,B002,3,OIL,BOILERS#8,91000HARVARD/CLE/CUY									
P 22	442.70	4588.50	.00	1.500	.000	14.00	.80	12.90	204.00	.00
SOURCE NO. 23	HARSHAWCHEMICAL,P020,KILNABSORBTIONUNITS,HARVARD/CLE/CUY									
P 23	442.80	4588.80	.00	3.600	.000	36.60	.20	69.30	25.00	38.00
SOURCE NO. 24	HIGHLANDVIEWHOSP,B001,2,COAL,3901IRELANDDR/WARREENULLE/CUY(75)									
P 24	458.10	4589.10	.00	5.100	.000	37.00	2.40	9.00	316.00	.00
SOURCE NO. 25	HIGHLANDVIEWHOSP,B003,4,COAL,3901IRELANDDR/WARREENULLE/CUY(75)									
P 25	458.10	4589.10	.00	5.100	.000	37.00	2.40	9.00	316.00	.00
SOURCE NO. 26	HYDRAULICPRESS,P006,8900HEMLOCK/CLE./CUY.(73)									
P 26	447.80	4580.90	.00	8.900	.000	10.00	2.00	7.00	60.00	.00

CDMI VERSION /0130. RUN 14

SOURCE ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG)	SA(M**2/SEC)
SOURCE NO. 27	INDEPENDENTTOWELSUPPLYCO.,B001,3,COAL,BOILER#1,3,1802CENTRAL/CLE/CUY									
P 27	443.50	4594.00	.00	29.200	.000	24.40	2.30	1.50	204.00	.00
SOURCE NO. 28	HUPPINC,B001-3,COAL,BOILERS#1-3,1135IVANHOERD/CLE/CUY.									
P 28	452.30	4600.10	.00	5.300	.000	53.30	3.00	9.00	260.00	.00
SOURCE NO. 29	JONES&LAUGHLINSTEEL,P010BLASTFURNACESTOVES9,10,11,3341JENNINGS/CLE/CUY									
P 29	442.40	4590.10	.00	3.900	.000	61.00	3.00	10.70	316.00	.00
SOURCE NO. 30	JONES&LAUGHLINSTEEL,P011,BLASTFURNACESTOVES1A,2A,3A,3341JENNINGS/CLE/CUY									
P 30	442.40	4590.10	.00	34.300	.000	76.20	3.40	6.70	315.00	.00
SOURCE NO. 31	JONES&LAUGHLINSTEEL,B002,OIL,BOILER#24,3341JENNINGSRD/CLE/CUY									
P 31	443.60	4591.50	.00	4.000	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 32	JONES&LAUGHLINSTEEL,B003,OIL,BOILER#25,3341JENNINGSRD/CLE/CUY									
P 32	443.60	4591.50	.00	4.000	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 33	JONES&LAUGHLINSTEEL,B004,OIL,BOILER#26,3341JENNINGSRD/CLE/CUY									
P 33	443.60	4591.50	.00	4.000	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 34	JONES&LAUGHLINSTEEL,B005,OIL,BOILER#27,3341JENNINGSRD/CLE/CUY									
P 34	443.60	4591.50	.00	4.000	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 35	JONES&LAUGHLINSTEEL,B006,OIL,BOILER#28,3341JENNINGSRD/CLE/CUY									
P 35	443.60	4591.50	.00	4.000	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 36	JONES&LAUGHLINSTEEL,B007,OIL,BOILER#29,3341JENNINGSRD/CLE/CUY									
P 36	443.60	4591.50	.00	4.000	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 37	JONES&LAUGHLINSTEEL,B008,OIL,BOILER#30,3341JENNINGSRD/CLE/CUY									
P 37	443.60	4591.50	.00	8.700	.000	46.00	2.00	4.60	204.00	.00
SOURCE NO. 38	JONES&LAUGHLINSTEEL,B009,OIL,BOILER#31,3341JENNINGSRD/CLE/CUY									
P 38	443.60	4591.50	.00	8.700	.000	46.00	2.00	4.20	204.00	.00
SOURCE NO. 39	JONES&LAUGHLINSTEEL,B010,OIL,BOILER#32,3341JENNINGSRD/CLE/CUY									
P 39	443.60	4591.50	.00	10.600	.000	26.00	2.00	5.20	204.00	.00
SOURCE NO. 40	JONES&LAUGHLINSTEEL,B011,OIL,BOILER#33,3341JENNINGSRD/CLE/CUY									
P 40	443.60	4591.50	.00	10.600	.000	26.00	2.00	5.20	204.00	.00
SOURCE NO. 41	JONES&LAUGHLINSTEEL,B012,OIL,BOILER#34,3341JENNINGSRD/CLE/CUY									
P 41	443.60	4591.50	.00	16.800	.000	38.00	3.00	4.50	260.00	.00
SOURCE NO. 42	JONES&LAUGHLINSTEEL,B013801L									
P 42	442.50	4590.60	.00	29.200	.000	46.00	3.00	18.00	127.00	.00
SOURCE NO. 43	LAKEWOODINCIN,N001,2,12920BEREARD/CLE/CUY(73)									
P 43	434.60	4590.50	.00	1.600	.000	30.00	2.00	8.00	427.00	.00
SOURCE NO. 44	LAKEWOODINCIN,N003-5,12920BEREARD/CLE/CUY(73)									
P 44	434.60	4590.50	.00	.800	.000	30.00	2.00	11.00	510.00	.00
SOURCE NO. 45	MEDICALCENTER,B003,4,COAL,2250CIRCLEDR./CLE/CUY									
P 45	449.20	4595.00	.00	9.800	.000	58.50	4.10	1.00	342.00	.00
SOURCE NO. 46	MEDICALCENTER,B005,6,7,8,COAL,2250CIRCLEDR./CLE/CUY									
P 46	449.20	4595.00	.00	9.800	.000	59.10	3.30	1.40	371.00	.00
SOURCE NO. 47	NATIONALLEADINC.,P001-2,28503RUSK/CLE/CUY(73)									
P 47	448.30	4592.20	.00	3.900	.000	30.00	1.00	26.00	66.00	120.00
SOURCE NO. 48	REPUBLICSTEEL-CLEV BDIST,P012,12INBAR.FCE,3100E45TH/CLE/CUY									
P 48	444.60	4591.40	.00	21.300	.000	45.70	2.10	8.50	399.00	.00
SOURCE NO. 49	REPUBLIC/STEEL-CLEV.DIST.,P013,10INBAR.FCE,3100E45TH/CLE/CUY,									
P 49	444.70	4591.50	.00	12.900	.000	45.70	2.10	6.30	538.00	.00
SOURCE NO. 50	REPUBLIC/STEEL-CLEV.DIST.,P014,#11PIT,3100E45TH/CLE/CUY,									
P 50	444.50	4591.20	.00	8.700	.000	53.30	1.90	4.80	493.00	.00
SOURCE NO. 51	REPUBLIC/STEEL-CLEV.DIST.,P015,#12PIT,3100E45TH/CLE/CUY,									
P 51	444.50	4591.20	.00	8.700	.000	53.30	1.90	4.80	493.00	.00
SOURCE NO. 52	REPUBLIC/STEEL-CLEV.DIST.,P016,#13PIT,3100E45TH/CLE/CUY,									
P 52	444.50	4591.20	.00	8.700	.000	53.30	1.90	4.80	493.00	.00

SOURCE INPUT

	X(M)	Y(M)	Z(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 53	REPUBLIC/STEEL-CLEV.DIST.,P017,#14PIT,3100E45TH/CLE/CUY,									
P 53	444.50	4591.10	.00	8.700	.000	53.30	1.90	4.80	493.00	.00
SOURCE NO. 54	REPUBLIC/STEEL-CLEV.DIST.,P018,#15PIT,3100E45TH/CLE/CUY,									
P 54	444.50	4591.10	.00	8.700	.000	53.30	1.90	4.80	493.00	.00
SOURCE NO. 55	REPUBLIC/STEEL-CLEV.DIST.,P028,2,,UNPRECIP111,3100E45TH/CLE/CUY,(PROJ.PHASEOUT)									
P 55	444.30	4591.40	.00	6.800	.000	32.00	3.40	.80	260.00	.00
SOURCE NO. 56	REPUBLIC/STEEL-CLEV.DIST.,P030,31,UNPRECIP112,3100E45TH/CLE/CUY,(PROJ.PHASEOUT)									
P 56	444.30	4591.60	.00	6.900	.000	32.00	3.50	.90	260.00	.00
SOURCE NO. 57	REPUBLIC/STEEL-CLEV.DIST.,P021,#02PIT,3100E45TH/									
P 57	444.50	4591.20	.00	2.300	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO. 58	REPUBLIC/STEEL-CLEV.DIST.,P022,#03PIT,3100E45TH/									
P 58	444.50	4591.20	.00	2.300	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO. 59	REPUBLIC/STEEL-CLEV.DIST.,P023,#04PIT,3100E45TH/									
P 59	444.50	4591.20	.00	2.300	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO. 60	REPUBLIC/STEEL-CLEV.DIST.,P024,#05PIT,3100E45TH/									
P 60	444.50	4591.20	.00	2.300	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO. 61	REPUBLIC/STEEL-CLEV.DIST.,P025,#06PIT,3100E45TH/									
P 61	444.50	4591.10	.00	2.300	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO. 62	REPUBLIC/STEEL-CLEV.DIST.,P026,#07PIT,3100E45TH/									
P 62	444.50	4591.10	.00	2.300	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO. 63	REPUBLIC/STEEL-CLEV.DIST.,P039,98INSLABFCE#1,3100E45TH/,(RETIRED3/74)									
P 63	443.20	4588.90	.00	28.100	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO. 64	REPUBLIC/STEEL-CLEV.DIST.,P040,98INSLABFCE#2,3100E45TH/,(RETIRED3/74)									
P 64	443.20	4588.90	.00	28.100	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO. 65	REPUBLIC/STEEL-CLEV.DIST.,P041,98INSLABFCE#3,3100E45TH/,(RETIRED3/74)									
P 65	443.20	4588.90	.00	28.100	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO. 66	REPUBLICSTEEL-CLEV.DIST,P042,98INSLABFCE#4,3100E45TH/CLE/CUY,(RETIRED3/74)									
P 66	443.20	4588.90	.00	28.100	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO. 67	REPUBLICSTEEL-CLEV.DIST,P043,98INSLABFCE#5,3100E45TH/CLE/CUY,(RETIRED3/74)									
P 67	443.20	4588.90	.00	28.100	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO. 68	REPUBLICSTEEL-CLEV.DIST,P046,84INSLABFCE#1,3100E45TH/CLE/CUY,(RETIRED3/74)									
P 68	443.60	4589.00	.00	67.100	.000	49.10	4.90	10.20	1038.00	.00
SOURCE NO. 69	REPUBLICSTEEL-CLEV.DIST,P047,84INSLABFCE#2,3100E45TH/CLE/CUY,(RETIRED3/74)									
P 69	443.60	4589.00	.00	67.100	.000	49.10	4.90	10.20	1038.00	.00
SOURCE NO. 70	REPUBLICSTEEL-CLEV.DIST,SINTERPLANT,3100E45TH/CLE/CUY,(RETIRED5/74)									
P 70	444.00	4591.20	.00	.600	.000	38.10	1.80	2.20	204.00	.00
SOURCE NO. 71	REPUBLICSTEEL-CLEV.DISTRICT,P021,,8PIT,E45THST/CLE/CUY									
P 71	444.50	4591.10	.00	2.300	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO. 72	REPUBLICSTEEL-CLEV.DISTRICT,P048,84INSLABFCE#3,E45TH/CLE/CUY									
P 72	443.60	4589.00	.00	67.100	.000	49.00	4.90	10.20	1038.00	.00
SOURCE NO. 73	REPUBLICSTEEL-CLEV.DISTRICT,PNE#,84INANNENLR,E45TH/CLE/CUY									
P 73	443.30	4588.90	.00	6.900	.000	32.90	4.60	10.10	51.70	.00
SOURCE NO. 74	REPUBLICSTEEL-CLEV.DISTRICT,PNE#,84INANNENLR,E45TH/CLE/CUY									
P 74	443.30	4589.00	.00	3.900	.000	32.90	4.60	10.10	51.70	.00
SOURCE NO. 75	REPUBLICSTEEL-CLEV.DISTRICT,P004,COKEBATTERY#7,E45TH/CLE/CUY									
P 75	443.60	4590.00	.00	22.100	.000	76.20	3.10	5.70	366.00	.00
SOURCE NO. 76	REPUBLICSTEEL-CLEV.DISTRICT,P005,COKEBATTERY#6,E45TH/CLE/CUY									
P 76	443.80	4590.00	.00	23.100	.000	76.20	3.10	5.70	366.00	.00
SOURCE NO. 77	REPUBLICSTEEL-CLEV.DISTRICT,P034,COKEBATTERY#5,E45TH/CLE/CUY									
P 77	444.60	4590.60	.00	4.200	.000	76.20	3.20	4.20	366.00	.00
SOURCE NO. 78	REPUBLICSTEEL-CLEV.DISTRICT,P035,COKEBATTERY#4,E45TH/CLE/CUY									
P 78	444.70	4590.80	.00	27.400	.000	65.50	2.70	4.90	366.00	.00

SOURCE INPUT ID	X(KM)	Y(KM)	TA(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 79	REPUBLICSTEEL-CLEV.DISTRICT,P036,COKEBATTERY#3,E45TH/CLE/CUY									
P 79	444.60	4590.80	.00	27.400	.000	68.60	2.80	5.30	366.00	.00
SOURCE NO. 80	REPUBLICSTEEL-CLEV.DISTRICT,P037,COKEBATTERY#2,E45TH/CLE/CUY									
P 80	444.50	4590.80	.00	27.400	.000	76.20	2.80	4.90	366.00	.00
SOURCE NO. 81	REPUBLICSTEEL-CLEV.DISTRICT,B004,BOILER#4,E45TH/CLE/CUY(6:23:76 LETTER									
P 81	443.30	4591.40	.00	133.100	.000	68.60	3.30	7.00	260.00	.00
SOURCE NO. 82	REPUBLICSTEEL-CLEV.DISTRICT,B007,BOILER3,E45TH/CLE/CUY(6:23:76 LETTER)									
P 82	443.60	4590.10	.00	36.950	.000	37.50	3.40	7.80	299.00	.00
SOURCE NO. 83	REPUBLICSTEEL-CLEV.DISTRICT,B005//**BOILER 234,E45TH/CLE/CUY(6:23:76 LETTER)									
P 83	444.30	4591.50	.00	15.200	.000	68.60	2.70	6.40	249.00	.00
SOURCE NO. 84	REPUBLICSTEEL-CLEV.DISTRICT,B001,BOILER A,2615W.3RDST/CLE/CUY(6:23:76 LETTER)									
P 84	443.80	4591.30	.00	35.200	.000	44.50	3.20	9.80	260.00	.00
SOURCE NO. 85	REPUBLICSTEEL-CLEV.DISTRICT,B002,BOILER B,2615W.3RDST/CLE/CUY(6:23:76 LETTER)									
P 85	443.80	4591.40	.00	33.600	.000	44.50	3.20	19.70	260.00	.00
SOURCE NO. 86	REPUBLICSTEEL-CLEV.DISTRICT,B003,BOILER C,2615W.3RDST/CLE/CUY(6:23:76 LETTER)									
P 86	443.80	4591.40	.00	34.400	.000	44.50	3.20	10.00	260.00	.00
SOURCE NO. 87	REPUBLICSTEEL-CLEV.DISTRICT,B005,6,BOILER1,2,3430CAMPBELLRD/CLE/CUY									
P 87	443.70	4591.20	.00	14.570	.000	45.70	4.60	5.00	299.00	.00
SOURCE NO. 88	STANDARDOILCO.OHIO-ASPHALTPLANT,B004,3,4,.BOILERS#10,9,7,2635BROADWAY/CLE/CUY									
P 88	443.90	4592.30	.00	8.200	.000	76.20	4.70	.60	154.00	.00
SOURCE NO. 89	U.S.STEEL-CUY/LORWORKS,P001,D-BBLASTFCE,2650BROADWAY/CLE/CUY,(73)									
P 89	443.60	4592.70	.00	2.600	.000	69.80	3.40	5.60	204.00	.00
SOURCE NO. 90	U.S.STEEL-CUY/LORWORKS,P002,ABLASTFCE,2650BROADWAY/CLE/CUY,(73)									
P 90	443.70	4592.60	.00	2.600	.000	64.60	3.00	11.40	204.00	.00
SOURCE NO. 91	U.S.STEEL-CUY/LORWORKS,B001,BOILER#1,2650BROADWAY/CLE/CUY									
P 91	443.50	4592.80	.00	2.900	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 92	U.S.STEEL-CUY/LORWORKS,B002,BOILER#2,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY,									
P 92	443.50	4592.80	.00	2.900	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 93	U.S.STEEL-CUY/LORWORKS,B003,BOILER#3,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY,									
P 93	443.50	4592.80	.00	2.900	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 94	U.S.STEEL-CUY/LORWORKS,B004,BOILER#4,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY,									
P 94	443.50	4592.80	.00	2.900	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 95	U.S.STEEL-CUY/LORWORKS,B005,BOILER#5,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY,									
P 95	443.50	4592.80	.00	2.900	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 96	U.S.STEEL-CUY/LORWORKS,B006,BOILER#6,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY									
P 96	443.50	4592.80	.00	2.900	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 97	U.S.STEEL-CUYAHOGAWORKS,B001,BOILER#1,4300E49TH/CLE/CUY,MAY 5 (114) REPLY									
P 97	444.40	4588.00	.00	29.700	.000	30.50	1.50	4.80	249.00	.00
SOURCE NO. 98	U.S.STEEL-CUYAHOGAWORKS,B002,BOILER#2,4300E49TH/CLE/CUY,MAY>> 5 (114) REPLY									
P 98	444.40	4588.00	.00	29.700	.000	30.50	1.50	4.80	249.00	.00
SOURCE NO. 99	U.S.STEEL-CUYAHOGAWORKS,B003,BOILER#3,4300E49TH/CLE/CUY,MAY>> 5 (114) REPLY									
P 99	444.40	4588.00	.00	11.900	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 100	U.S.STEEL-CUYAHOGAWORKS,B004,BOILER#5,4300E49TH/CLE/CUY,(73)									
P 100	444.40	4588.00	.00	11.900	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 101	U.S.STEEL-CUYAHOGAWORKS,B005,BOILER#6,4300E49TH/CLE/CUY,(73)									
P 101	444.40	4588.00	.00	11.900	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 102	U.S.STEEL-CUYAHOGAWORKS,B006,BOILER#7,4300E49TH/CLE/CUY,(73)									
P 102	444.40	4588.00	.00	.000	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 103	U.S.STEEL-CUYAHOGAWORKS,B007,BOILER#4,4300E49TH/CLE/CUY,(73)									
P 103	444.40	4588.00	.00	.000	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 104	CEI-EASTLAKEPLANT,TURBINE,EASTLAKE/LAKE									
P 104	443.00	4613.20	.00	6.200	.000	12.00	4.00	22.00	535.00	.00

CDMI VERSION /0130< RUN 14

SOURCE ID	INPUT X(KM)	Y(KM)	TA(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 105	CEI-EASTLAKEPLANT,B001,UNIT#1,EASTLAKE/LAKE									
P 105	463.00	4613.00	.00	686.000	.000	91.40	4.90	7.00	124.00	.00
SOURCE NO. 106	CEI-EASTLAKEPLANT,B002,UNIT#2,EASTLAKE/LAKE									
P 106	463.00	4613.00	.00	697.000	.000	91.40	4.90	7.00	124.00	.00
SOURCE NO. 107	CEI-EASTLAKEPLANT,B003,UNIT3,EASTLAKE/LAKE									
P 107	463.00	4613.00	.00	712.000	.000	91.40	4.90	7.00	124.00	.00
SOURCE NO. 108	CEI-EASTLAKEPLANT,B004,UNIT#4,EASTLAKE/LAKE									
P 108	463.00	4612.90	.00	1284.000	.000	91.40	5.50	9.90	107.00	.00
SOURCE NO. 109	CEI-EASTLAKEPLANT,B005,UNIT#5,EASTLAKE/LAKE									
P 109	463.00	4612.90	.00	3455.000	.000	182.80	7.30	15.10	127.00	.00
SOURCE NO. 110	DIAMONDSHAMROCKCHEMICAL,B001,BOILER#33,SECONDST/FAIRPORTHARBOR/LAKE									
P 110	478.30	4622.80	.00	205.400	.000	53.60	4.30	8.40	153.90	.00
SOURCE NO. 111	DIAMONDSHAMROCKCHEMICAL,B002,BOILER#34,2NDST./FAIRPORT/LAKE									
P 111	478.30	4622.80	.00	223.600	.000	53.60	4.30	9.00	174.40	.00
SOURCE NO. 112	DIAMONDSHAMROCKCHEMICAL,B003,BOILER#35,2NDST./FAIRPORT/LAKE									
P 112	478.30	4622.80	.00	254.300	.000	49.00	2.40	16.90	155.00	.00
SOURCE NO. 113	DIAMONDSHAMROCKCHEMICAL,B004,BOILER#36,2NDST./FAIRPORT/LAKE									
P 113	478.30	4622.80	.00	256.300	.000	54.00	4.60	4.60	222.80	.00
SOURCE NO. 114	DIAMONDSHAMROCKCHEMICAL,B005,BOILER#1,2NDST./FAIRPORT/LAKE									
P 114	478.30	4622.80	.00	77.800	.000	68.60	3.80	8.90	289.40	.00
SOURCE NO. 115	DIAMONDSHAMROCKCHEMICAL,B006,BOILER#2,2NDST./FAIRPORT/LAKE									
P 115	478.30	4622.80	.00	77.600	.000	68.60	3.80	8.90	289.40	.00
SOURCE NO. 116	DIAMOND SHAMROCK CHEMICAL,B008,BOILER#4,2NDST./FAIRPORT/LAKE									
P 116	478.30	4622.80	.00	2.700	.000	15.50	1.50	10.60	315.60	.00
SOURCE NO. 117	DIAMOND SHAMROCK CHEMICAL,B009,BOILER#5,2NDST./FAIRPORT/LAKE									
P 117	478.30	4622.80	.00	9.400	.000	18.30	2.00	10.30	315.60	.00
SOURCE NO. 118	DIAMOND SHAMROCK CHEMICAL,B012,BOILER#6,2NDST./FAIRPORT/LAKE									
P 118	478.30	4622.80	.00	5.000	.000	15.70	1.20	29.30	343.00	.00
SOURCE NO. 119	DIAMONDSHAMROCKCHEMICAL,B013,BOILER#7,2NDST./FAIRPORT/LAKE									
P 119	478.30	4622.80	.00	3.400	.000	15.70	1.20	29.30	343.00	.00
SOURCE NO. 120	DIAMONDSHAMROCKCHEMICAL,P028,#4LIMEKILN,2NDST./FAIRPORT/LAKE									
P 120	478.30	4622.80	.00	7.300	.000	60.90	2.40	1.10	316.00	.00
SOURCE NO. 121	DIAMONDSHAMROCKCHEMICAL,B007,#3LIMEKILN,2NDST./FAIRPORT/LAKE									
P 121	478.30	4622.80	.00	71.500	.000	68.60	3.80	8.90	289.40	.00
SOURCE NO. 122	IRCFIBERSCO.-UNIONIRONWORKS,B001,750BACONRD/PAINES./LAKE,(73)									
P 122	482.90	4624.50	.00	6.500	.000	54.30	3.40	9.80	288.00	.00
SOURCE NO. 123	IRCFIBERSCO.-UNIONIRONWORKS,B002,750BACONRD/PAINES/LAKE,(73)									
P 123	482.90	4624.50	.00	6.500	.000	54.30	3.40	9.80	288.00	.00
SOURCE NO. 124	LUBRIZOLCORP.,B001, /WICKLIFFE/LAKE									
P 124	460.00	4606.50	.00	.950	.000	15.00	1.00	7.01	288.00	.00
SOURCE NO. 125	LUBRIZOLCORP.,B001,#2OIL,.5%,155FREEDOMRD/PAINESVILLE/LAKE									
P 125	477.20	4618.30	.00	.400	.000	17.00	1.00	7.92	205.00	.00
SOURCE NO. 126	OHIORUBBER,B001,BENHURAVE/WILLOUGHBY/LAKE									
P 126	465.40	4610.20	.00	45.400	.000	24.10	1.90	7.60	288.00	.00
SOURCE NO. 127	PAINEVILLEMUNICPALLITE,B001-4,325RICHMONDST/PAINESVILLE/LAKE									
P 127	478.90	4619.20	.00	201.300	.000	75.30	3.10	4.00	188.00	.00
SOURCE NO. 128	PAINEVILLEMUNICIPALLITE,B005,325RICHMONDST/PAINESVILLE/LAKE									
P 128	478.90	4619.20	.00	.000	.000	48.80	2.40	1.20	175.00	.00
SOURCE NO. 129	REPUBLICSTEEL-LIMEPLANT,P001,P002,GRANDRIVER/LAKE									
P 129	476.40	4621.90	.00	48.900	.000	41.20	3.20	15.60	288.00	.00
SOURCE NO. 130	ADDRESSOGRAPH,B003,BABBITTRD./CLE/CO									
P 130	457.60	4604.60	.00	4.900	.000	25.90	1.40	4.60	232.00	.00

SOURCE INPUT

ID	X(KM)	Y(KM)	TA(K)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG C)	SA(M**2/SEC)
SOURCE NO. 131	UNIROYALCHEMICALPLANT,B001,B002,B003,720NORSEMTRD/FAIRPORT/LAKE									
P 131	480.40	4628.80	.00	79.000	.000	52.70	2.40	1.60	204.00	.00
SOURCE NO. 132	GMCFISHERBODYPLANT,B004,LOWELL ST/ELYRIA/LORAIN									
P 132	405.30	4579.80	.00	11.500	.000	22.00	1.40	9.60	177.00	.00
SOURCE NO. 133	ADDRESSOGRAPH,B001,1200HABBITTRD/CLE/CUY									
P 133	457.60	4604.80	.00	4.900	.000	25.90	1.40	4.60	232.00	.00
SOURCE NO. 134	ADDRESSOGRAPH,B002,1200HABBITTRD/CLE/CUY									
P 134	457.60	4604.80	.00	4.900	.000	45.70	1.80	4.60	232.00	.00
SOURCE NO. 135	ALCOA,B001-3,2210HARVARDAVE/CLE/CUY									
P 135	444.00	4598.80	.00	23.100	.000	61.00	2.70	9.00	204.00	.00
SOURCE NO. 136	ALCOA,B004-5,2210HARVARDAVE/CLE/CUY									
P 136	444.00	4598.80	.00	23.100	.000	45.70	2.30	9.00	204.00	.00
SOURCE NO. 137	ALLIEDCHEMICAL,P001-2,5000WARNERRD/CLE/CUY									
P 137	446.90	4585.30	.00	40.370	.000	21.30	.50	3.63	80.00	.00
SOURCE NO. 138	CHASEBAG,B001-2,2186CLEVELANDROLCLE/CUY									
P 138	467.70	4584.80	.00	17.400	.000	51.20	1.60	4.60	316.00	.00
SOURCE NO. 139	GMC-TRANSMISSIONPLANT,B001,STUMPRD/PARMA/CUY									
P 139	435.40	4585.10	.00	2.900	.000	21.90	1.60	7.30	66.00	.00
SOURCE NO. 140	GMC-TRANSMISSION PLANT,B004,STUMP RD/PARMA/CUY									
P 140	435.40	4585.10	.00	2.700	.000	21.90	1.60	4.40	66.00	.00
SOURCE NO. 141	CEI-AVONLAKEPLANT,UNITS#1,2,33510LAKERD./AVONLAKE/LORAIN									
P 141	412.20	4595.20	.00	112.000	.000	84.50	5.50	3.00	111.00	.00
SOURCE NO. 142	CEI-AVONLAKEPLANT,UNITS3,4,33510LAKERD./AVONLAKE/LORAIN									
P 142	412.20	4595.20	.00	112.000	.000	84.50	5.50	3.00	111.00	.00
SOURCE NO. 143	CEI-AVONLAKEPLANT,UNITS5,6,33510LAKERD./AVONLAKE/LORAIN									
P 143	412.20	4595.20	.00	112.000	.000	84.50	5.50	3.00	111.00	.00
SOURCE NO. 144	CEI-AVONLAKEPLANT,UNITS#7,8,33510LAKERD./AVONLAKE/LORAIN									
P 144	412.20	4595.20	.00	112.000	.000	84.50	5.50	3.00	111.00	.00
SOURCE NO. 145	CEI-AVONLAKEPLANT,UNITS#9,33510LAKERD./AVONLAKE/LORAIN									
P 145	412.20	4595.20	.00	446.000	.000	90.00	4.00	10.00	121.00	.00
SOURCE NO. 146	CEI-AVONLAKEPLANT,UNITS#10,33510LAKERD./AVONLAKE/LORAIN									
P 146	412.20	4595.20	.00	447.000	.000	90.00	4.00	10.00	121.00	.00
SOURCE NO. 147	CEI-AVONLAKEPLANT,UNITS#11,33510LAKERD./AVONLAKE/LORAIN									
P 147	412.10	4595.20	.00	1189.000	.000	120.00	5.20	10.00	107.00	.00
SOURCE NO. 148	CEI-AVONLAKEPLANT,UNITS#12,33510LAKERD./AVONLAKE/LORAIN									
P 148	412.00	4595.20	.00	3226.000	.000	183.00	7.30	15.00	127.00	.00
SOURCE NO. 149	GMC-FISHERBODYPLANT,B001,LOWELLST/ELYIA/LORAIN									
P 149	405.30	4579.80	.00	11.950	.000	22.00	1.22	10.00	287.00	.00
SOURCE NO. 150	GMC-FISHERBODYPLANT,B002,LOWELLST/ELYRIA/LORAIN									
P 150	405.30	4579.80	.00	1.000	.000	22.00	1.22	10.00	287.00	.00
SOURCE NO. 151	GM-CFISHERBODYPLANT,B003,LOWELLST/ELYRIA/LORAIN									
P 151	405.30	4579.80	.00	31.700	.000	22.00	1.30	9.60	166.00	.00
SOURCE NO. 152	FMC-LORAINASSEMBLYPLANT,B001,RT602TOBAUNHARTRT/ /LORAIN									
P 152	394.00	4586.50	.00	40.700	.000	24.40	1.70	7.30	192.00	.00
SOURCE NO. 153	FMC-LORAIN ASSEM PLANT ,B002,RT602TOBAUNHARTRD/ /LORAIN									
P 153	394.00	4586.50	.00	40.700	.000	24.40	1.70	7.30	192.00	.00
SOURCE NO. 154	FMC-LORAIN ASSEMBLY PLANT ,B003,RT602TOBAUNHARTRD/ /LORAIN									
P 154	394.00	4586.50	.00	40.700	.000	24.40	1.70	7.30	192.00	.00
SOURCE NO. 155	OHIO/EDISON-EDGEWATER/PLANT,UNITS1-2,2000BERLIN/ LORAIN									
P 155	400.60	4591.30	.00	379.100	.000	77.50	5.30	5.10	164.00	.00
SOURCE NO. 156	OHIO/EDISON-EDGEWATER/PLANT,UNITS3,2000BERLIN/ LORAIN									
P 156	400.60	4591.30	.00	443.000	.000	85.40	3.20	14.00	127.00	.00

COMI VERSION /6130. RUN 14

SOURCE ID	INPUT X(KM)	Y(KM)	TA(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG C)	SA(M**2/SEC)
SOURCE NO. 157	USSTEEL-LORAINWORKS,S001,1807E26TH/LORAIN/LORAIN									
P 157	404.20	4589.00	.00	7.300	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 158	USSTEEL-LORAINWORKS,B002,1807E26TH/LORAIN/LORAIN									
P 158	404.20	4589.00	.00	7.300	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 159	USSTEEL-LORAINWORKS,B003,1807E26TH/LORAIN/LORAIN									
P 159	404.20	4589.00	.00	7.300	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 160	USSTEEL-LORAINWORKS,B004,1807E26TH/LORAIN/LORAIN									
P 160	404.20	4589.00	.00	7.300	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 161	USSTEEL-LORAINWORKS,B005,1807E26TH/LORAIN/LORAIN									
P 161	404.20	4589.00	.00	7.300	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 162	USSTEEL-LORAINWORKS,B006,1807E26TH/LORAIN/LORAIN									
P 162	404.20	4589.00	.00	7.300	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 163	USSTEEL-LORAINWORKS,B007,1807E26TH/LORAIN/LORAIN									
P 163	404.30	4589.00	.00	14.400	.000	29.90	2.40	11.80	232.00	.00
SOURCE NO. 164	USSTEEL-LORAINWORKS,B008,1807E26TH/LORAIN/LORAIN									
P 164	404.30	4589.00	.00	14.400	.000	29.90	2.40	11.80	232.00	.00
SOURCE NO. 165	USSTEEL-LORAINWORKS,B009,1807E26TH/LORAIN/LORAIN									
P 165	404.30	4589.00	.00	14.400	.000	29.90	2.40	11.80	232.00	.00
SOURCE NO. 166	USSTEEL-LORAINWORKS,B013,1807E26TH/LORAIN/LORAIN									
P 166	404.10	4589.10	.00	11.400	.000	35.70	3.70	19.10	232.00	.00
SOURCE NO. 167	USSTEEL-LORAINWORKS,P021,COKEBATTERYD,LORAIN/LORAIN									
P 167	404.80	4589.30	.00	6.200	.000	76.20	3.70	2.00	232.00	.00
SOURCE NO. 168	USSTEEL-LORAINWORKS,P020,COKEBATTERYJ,K,L,LORAIN/LORAIN									
P 168	404.90	4589.40	.00	24.800	.000	76.20	3.70	1.90	232.00	.00
SOURCE NO. 169	USSTEEL-LORAINWORKS,P019,COKEBATTERYG,H,I,LORAIN/LORAIN									
P 169	404.60	4589.30	.00	21.000	.000	76.20	3.70	2.00	232.00	.00
SOURCE NO. 170	USSTEEL-LORAINWORKS,P006-14,ROLLINGMILL-SOAKINGPITFEB#1-9,LORAIN/LORAIN									
P 170	405.30	4589.00	.00	12.400	.000	38.10	1.60	.60	260.00	.00
SOURCE NO. 171	USSTEEL-LORAINWORKSP015-16,ROLLINGMILL-SOAKINGPITFEB#10-11,LORAINLORAIN									
P 171	405.30	4589.10	.00	2.800	.000	38.10	1.60	.60	260.00	.00
SOURCE NO. 172	USSTEEL-LORAINWORKS,P017-18,ROLLINGMILL-SOAKINGPITFEB#12-15,LORAINLORAIN									
P 172	405.30	4589.10	.00	5.500	.000	51.50	2.40	.90	260.00	.00
SOURCE NO. 173	USSTEEL-LORAINWORKS,P034,#2REHEATFER ,LORAIN/LORAIN									
P 173	406.70	4589.20	.00	.400	.000	38.10	1.20	10.60	310.00	.00
SOURCE NO. 174	USSTEEL-LORAINWORKSP035,#3ROTARYHER ,LORAIN/LORAIN									
P 174	406.70	4589.40	.00	6.200	.000	14.00	1.10	4.90	232.00	.00
SOURCE NO. 175	USSTEEL-LORAINWORKS,P036,#1REHEATHER ,LORAIN/LORAIN									
P 175	406.70	4589.30	.00	.800	.000	38.10	1.50	2.00	316.00	.00
SOURCE NO. 176	USSTEEL-LORAINWORKS,P037,#3REHEATFER ,LORAINLORAIN									
P 176	406.70	4589.30	.00	1.800	.000	38.10	1.50	4.30	316.00	.00
SOURCE NO. 177	USSTEEL-LORAINWORKS,P038,#3 ,LORAIN/LORAIN									
P 177	406.80	4589.20	.00	1.600	.000	38.10	1.50	4.00	316.00	.00
SOURCE NO. 178	USSTEEL-LORAINWORKS,P040,#4REHEATFCE,LORAIN/LORAIN									
P 178	406.10	4589.40	.00	4.400	.000	30.50	1.60	5.30	316.00	.00
SOURCE NO. 179	USSTEEL-LORAINWORKS,P041,#1KETILE ,LORAIN/LORAIN									
P 179	406.20	4589.20	.00	2.500	.000	30.50	1.20	2.80	316.00	.00
SOURCE NO. 180	USSTEEL-LORAINWORKS,P042,#2KETILE ,LORAIN/LORAIN									
P 180	406.20	4589.20	.00	3.300	.000	30.50	1.20	1.40	316.00	.00
SOURCE NO. 181	USSTEEL-LORAINWORKS,P043,#3KETTLE ,LORAIN/LORAIN									
P 181	406.20	4589.20	.00	4.900	.000	30.50	1.20	4.90	316.00	.00
SOURCE NO. 182	GMC-TRANSMISSION PLANT,B002,STUMP RD,PARMA/CUYCO,									
P 182	435.40	4585.10	.00	3.100	.000	21.90	1.60	7.30	66.00	.00

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SOURCE INPUT

ID	X(KM)	Y(KM)	TK(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG C)	SA(M**2/SEC)
SOURCE NO. 183	UMC-TRANSMISSION PLANT,R003,STUMP RD,PARMA/CUYCO.									
P 183	435.40	4565.10	.00	2.100	.000	21.90	1.60	4.40	66.00	.00
SOURCE NO. 184	LUBRIZOL,R002,155FREEDOMRD/PAINESVILLE/LAKE									
P 184	477.20	4618.30	.00	.400	.000	17.00	1.00	7.92	205.00	.00
SOURCE NO. 185	LUBRIZOL,R003,155FREEDOMRD/PAINESVILLE/LAKE									
P 185	477.20	4618.30	.00	.400	.000	17.00	1.00	7.92	205.00	.00
SOURCE NO. 186	US STEEL-LORAIN WORKS,R010,1807 E 28TH/LOR/LOR CO. (MAY 76,114)									
P 186	404.60	4589.10	.00	8.000	.000	24.40	3.70	2.20	232.00	.00
SOURCE NO. 187	US STEEL-LORAIN WORKS,R011,1807 E 28TH/LORAIN/LOR CO (MAY 76 114)/									
P 187	404.90	4589.10	.00	8.000	.000	24.40	3.70	2.20	232.00	.00
SOURCE NO. 188	US STEEL-LORAIN WORKS,R012,1807 E 28TH/LORAIN/LOR CO (MAY 76 114)/									
P 188	404.90	4589.10	.00	8.000	.000	24.40	3.70	2.20	232.00	.00
SOURCE NO. 189	USSTEEL-LORAINWORKS,P033, ,LORAIN/LORAIN									
P 189	406.70	4589.30	.00	10.260	.000	14.00	1.10	.70	232.00	.00
SOURCE NO. 190	USSTEEL-LORAINWORKS,P039, ,LORAIN/LORAIN									
P 190	406.70	4589.30	.00	1.160	.000	14.00	1.10	.70	232.00	.00
SOURCE NO. 191	LUBRIZOL CORP.,P012,CHEM.,REAT,PROCESS,155FREEDOM RD./PA/LAKE									
P 191	477.20	4618.30	.00	2.000	.000	8.70	.76	15.00	815.90	.00

@ADD,P CL-BAR.

CDMI VERSION 7/0130, RUN 14

SOURCE	INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	1	420.00	4590.00	2500.00	3.530	.720	20.00	.00	.00	.00	.00
A	2	420.00	4592.50	2500.00	3.910	.770	20.00	.00	.00	.00	.00
A	3	422.50	4590.00	2500.00	6.790	1.370	20.00	.00	.00	.00	.00
A	4	420.00	4585.00	5000.00	21.240	4.090	20.00	.00	.00	.00	.00
A	5	420.00	4580.00	5000.00	19.980	3.890	20.00	.00	.00	.00	.00
A	6	442.50	4592.50	2500.00	15.240	3.500	20.00	.00	.00	.00	.00
A	7	425.00	4590.00	2500.00	6.290	1.400	20.00	.00	.00	.00	.00
A	8	425.00	4587.50	2500.00	10.680	2.050	20.00	.00	.00	.00	.00
A	9	425.00	4585.00	2500.00	9.960	1.950	20.00	.00	.00	.00	.00
A	10	427.50	4592.50	2500.00	1.970	.490	20.00	.00	.00	.00	.00
A	11	427.50	4590.00	2500.00	12.540	2.620	20.00	.00	.00	.00	.00
A	12	427.50	4587.50	2500.00	11.540	2.290	20.00	.00	.00	.00	.00
A	13	427.50	4585.00	2500.00	7.980	4.350	20.00	.00	.00	.00	.00
A	14	425.00	4580.00	5000.00	15.890	14.340	20.00	.00	.00	.00	.00
A	15	425.00	4575.00	5000.00	22.380	4.430	20.00	.00	.00	.00	.00
A	16	425.00	4570.00	5000.00	1.780	.530	20.00	.00	.00	.00	.00
A	17	430.00	4592.50	2500.00	8.320	1.700	20.00	.00	.00	.00	.00
A	18	430.00	4590.00	2500.00	21.010	4.250	20.00	.00	.00	.00	.00
A	19	430.00	4587.50	2500.00	15.350	3.080	20.00	.00	.00	.00	.00
A	20	430.00	4585.00	2500.00	15.250	3.060	20.00	.00	.00	.00	.00
A	21	430.00	4582.50	2500.00	8.420	4.430	20.00	.00	.00	.00	.00
A	22	430.00	4580.00	2500.00	7.990	1.470	20.00	.00	.00	.00	.00
A	23	432.50	4592.50	2500.00	13.150	2.740	20.00	.00	.00	.00	.00
A	24	432.50	4590.00	2500.00	30.410	6.180	20.00	.00	.00	.00	.00
A	25	432.50	4587.50	2500.00	20.620	4.170	20.00	.00	.00	.00	.00
A	26	432.50	4585.00	2500.00	13.670	2.830	20.00	.00	.00	.00	.00
A	27	432.50	4582.50	2500.00	13.360	2.570	20.00	.00	.00	.00	.00
A	28	432.50	4580.00	2500.00	7.760	1.450	20.00	.00	.00	.00	.00
A	29	430.00	4575.00	5000.00	7.350	1.480	20.00	.00	.00	.00	.00
A	30	430.00	4570.00	5000.00	5.580	1.090	20.00	.00	.00	.00	.00
A	31	435.00	4592.50	2500.00	16.300	3.740	20.00	.00	.00	.00	.00
A	32	435.00	4590.00	2500.00	21.590	5.120	20.00	.00	.00	.00	.00
A	33	435.00	4587.50	2500.00	18.580	4.380	20.00	.00	.00	.00	.00
A	34	435.00	4585.00	2500.00	5.490	1.140	20.00	.00	.00	.00	.00
A	35	435.00	4582.50	2500.00	15.480	3.060	20.00	.00	.00	.00	.00
A	36	435.00	4580.00	2500.00	19.290	3.780	20.00	.00	.00	.00	.00
A	37	437.50	4592.50	2500.00	7.430	1.610	20.00	.00	.00	.00	.00
A	38	437.50	4590.00	2500.00	27.300	6.080	20.00	.00	.00	.00	.00
A	39	437.50	4587.50	2500.00	9.400	2.590	20.00	.00	.00	.00	.00
A	40	437.50	4585.00	2500.00	16.530	3.950	20.00	.00	.00	.00	.00
A	41	437.50	4582.50	2500.00	18.770	4.280	20.00	.00	.00	.00	.00
A	42	437.50	4580.00	2500.00	9.600	1.850	20.00	.00	.00	.00	.00
A	43	435.00	4575.00	5000.00	21.890	4.160	20.00	.00	.00	.00	.00
A	44	435.00	4570.00	5000.00	4.300	.870	20.00	.00	.00	.00	.00
A	45	440.00	4595.00	2500.00	2.630	1.330	20.00	.00	.00	.00	.00
A	46	440.00	4592.50	2500.00	1.750	.480	20.00	.00	.00	.00	.00
A	47	440.00	4590.00	2500.00	19.900	4.660	20.00	.00	.00	.00	.00
A	48	440.00	4587.50	2500.00	22.100	5.090	20.00	.00	.00	.00	.00
A	49	440.00	4585.00	2500.00	20.850	4.850	20.00	.00	.00	.00	.00
A	50	440.00	4582.50	2500.00	20.790	4.040	20.00	.00	.00	.00	.00
A	51	440.00	4580.00	2500.00	14.350	2.700	20.00	.00	.00	.00	.00

COM1 VERSION /6130. RUN 14

SOURCE ID	INPUT	X(FM)	Y(FM)	ZA(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	52	442.50	4595.00	2500.00	5.260	4.020	20.00	.00	.00	.00	.00
A	53	442.50	4590.00	1250.00	2.400	2.060	20.00	.00	.00	.00	.00
A	54	442.50	4587.50	1250.00	1.400	1.270	20.00	.00	.00	.00	.00
A	55	442.50	4585.00	2500.00	5.060	1.080	20.00	.00	.00	.00	.00
A	56	442.50	4582.50	2500.00	3.530	.670	20.00	.00	.00	.00	.00
A	57	442.50	4580.00	2500.00	6.880	1.310	20.00	.00	.00	.00	.00
A	58	440.00	4575.00	5000.00	12.510	2.380	20.00	.00	.00	.00	.00
A	59	440.00	4570.00	5000.00	8.440	1.650	20.00	.00	.00	.00	.00
A	60	445.00	4597.50	2500.00	2.100	.550	20.00	.00	.00	.00	.00
A	61	445.00	4595.00	2500.00	44.100	9.660	20.00	.00	.00	.00	.00
A	62	445.00	4592.50	2500.00	30.800	7.160	20.00	.00	.00	.00	.00
A	63	445.00	4590.00	2500.00	20.400	4.880	20.00	.00	.00	.00	.00
A	64.	445.00	4587.50	2500.00	16.900	4.240	20.00	.00	.00	.00	.00
A	65	445.00	4585.00	2500.00	9.880	2.030	20.00	.00	.00	.00	.00
A	66	445.00	4582.50	2500.00	.830	.290	20.00	.00	.00	.00	.00
A	67	445.00	4580.50	2500.00	2.870	.560	20.00	.00	.00	.00	.00
A	68	447.50	4600.00	2500.00	.280	.100	20.00	.00	.00	.00	.00
A	69	447.50	4597.50	2500.00	30.200	7.660	20.00	.00	.00	.00	.00
A	70	447.50	4595.00	2500.00	40.200	9.780	20.00	.00	.00	.00	.00
A	71	447.50	4592.50	2500.00	24.200	5.840	20.00	.00	.00	.00	.00
A	72	447.50	4587.50	5000.00	11.520	2.670	20.00	.00	.00	.00	.00
A	73	447.50	4585.00	2500.00	57.400	13.360	20.00	.00	.00	.00	.00
A	74	447.50	4582.50	2500.00	5.040	1.160	20.00	.00	.00	.00	.00
A	75	447.50	4580.00	2500.00	.930	.270	20.00	.00	.00	.00	.00
A	76	445.00	4575.00	5000.00	6.290	1.230	20.00	.00	.00	.00	.00
A	77	445.00	4570.00	5000.00	7.050	1.470	20.00	.00	.00	.00	.00
A	78	450.00	4602.50	2500.00	1.660	.410	20.00	.00	.00	.00	.00
A	79	450.00	4600.00	2500.00	16.230	3.470	20.00	.00	.00	.00	.00
A	80	450.00	4597.50	2500.00	35.670	8.190	20.00	.00	.00	.00	.00
A	81	450.00	4595.00	2500.00	16.690	4.500	20.00	.00	.00	.00	.00
A	82	450.00	4592.50	2500.00	19.510	4.000	20.00	.00	.00	.00	.00
A	83	450.00	4585.00	2500.00	60.100	13.760	20.00	.00	.00	.00	.00
A	84	450.00	4582.50	2500.00	21.320	4.090	20.00	.00	.00	.00	.00
A	85	450.00	4580.00	2500.00	3.900	.770	20.00	.00	.00	.00	.00
A	86	452.50	4605.00	2500.00	1.500	.330	20.00	.00	.00	.00	.00
A	87	452.50	4602.50	2500.00	13.630	2.890	20.00	.00	.00	.00	.00
A	88	452.50	4600.00	2500.00	18.590	4.050	20.00	.00	.00	.00	.00
A	89	452.50	4597.50	2500.00	24.240	5.020	20.00	.00	.00	.00	.00
A	90	452.50	4595.00	2500.00	16.840	3.320	20.00	.00	.00	.00	.00
A	91	452.50	4592.50	2500.00	22.550	4.450	20.00	.00	.00	.00	.00
A	92	452.50	4590.00	2500.00	2.240	.460	20.00	.00	.00	.00	.00
A	93	452.50	4587.50	2500.00	.280	.100	20.00	.00	.00	.00	.00
A	94	452.50	4585.00	2500.00	43.770	9.570	20.00	.00	.00	.00	.00
A	95	452.50	4582.50	2500.00	16.040	3.160	20.00	.00	.00	.00	.00
A	96	452.50	4580.00	2500.00	1.630	.930	20.00	.00	.00	.00	.00
A	97	452.50	4577.50	2500.00	2.200	.450	20.00	.00	.00	.00	.00
A	98	455.00	4605.00	2500.00	23.650	4.790	20.00	.00	.00	.00	.00
A	99	455.00	4602.50	2500.00	11.100	2.230	20.00	.00	.00	.00	.00
A	100	455.00	4600.00	2500.00	7.520	1.550	20.00	.00	.00	.00	.00
A	101	455.00	4597.50	2500.00	10.390	2.010	20.00	.00	.00	.00	.00
A	102	455.00	4595.00	2500.00	17.510	3.420	20.00	.00	.00	.00	.00

COMI VERSION /0130. RUN 14

SOURCE	INPUT ID	X(KM)	Y(KM)	Z(KM)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(CC)	SA(M**2/SEC)
A	103	455.00	4592.50	2500.00	10.750	3.190	20.00	.00	.00	.00	.00
A	104	455.00	4590.00	2500.00	3.440	.670	20.00	.00	.00	.00	.00
A	105	455.00	4587.50	2500.00	8.090	5.050	20.00	.00	.00	.00	.00
A	106	455.00	4585.00	2500.00	23.140	4.760	20.00	.00	.00	.00	.00
A	107	455.00	4582.50	2500.00	7.570	1.470	20.00	.00	.00	.00	.00
A	108	455.00	4580.00	2500.00	11.600	2.320	20.00	.00	.00	.00	.00
A	109	455.00	4577.50	2500.00	1.390	.340	20.00	.00	.00	.00	.00
A	110	457.50	4607.50	2500.00	4.460	.910	20.00	.00	.00	.00	.00
A	111	457.50	4605.00	2500.00	7.600	1.470	20.00	.00	.00	.00	.00
A	112	457.50	4602.50	2500.00	8.320	1.750	20.00	.00	.00	.00	.00
A	113	457.50	4600.00	2500.00	6.550	4.150	20.00	.00	.00	.00	.00
A	114	457.50	4597.50	2500.00	7.460	1.420	20.00	.00	.00	.00	.00
A	115	457.50	4595.00	2500.00	10.480	2.020	20.00	.00	.00	.00	.00
A	116	457.50	4592.50	2500.00	3.610	.720	20.00	.00	.00	.00	.00
A	117	457.50	4590.00	2500.00	1.470	.320	20.00	.00	.00	.00	.00
A	118	457.50	4587.50	2500.00	1.170	.310	20.00	.00	.00	.00	.00
A	119	457.50	4585.00	2500.00	6.110	1.300	20.00	.00	.00	.00	.00
A	120	457.50	4582.50	2500.00	2.950	.720	20.00	.00	.00	.00	.00
A	121	457.50	4580.00	2500.00	3.910	.810	20.00	.00	.00	.00	.00
A	122	457.50	4577.50	2500.00	1.410	.320	20.00	.00	.00	.00	.00
A	123	460.00	4595.00	5000.00	25.770	5.130	20.00	.00	.00	.00	.00
A	124	460.00	4590.00	5000.00	9.530	1.910	20.00	.00	.00	.00	.00
A	125	460.00	4585.00	5000.00	6.030	1.200	20.00	.00	.00	.00	.00
A	126	460.00	4580.00	5000.00	9.260	1.910	20.00	.00	.00	.00	.00
A	127	460.00	4575.00	5000.00	2.490	.600	20.00	.00	.00	.00	.00
A	128	465.00	4595.00	5000.00	2.600	.620	20.00	.00	.00	.00	.00
A	129	465.00	4590.00	5000.00	1.650	.620	20.00	.00	.00	.00	.00
A	130	465.00	4585.00	5000.00	4.970	1.050	20.00	.00	.00	.00	.00
A	131	465.00	4580.00	5000.00	2.300	1.200	20.00	.00	.00	.00	.00
A	132	465.00	4575.00	5000.00	1.750	.750	20.00	.00	.00	.00	.00
A	133	385.00	4585.00	5000.00	.090	.040	20.00	.00	.00	.00	.00
A	134	385.00	4580.00	5000.00	2.600	1.440	20.00	.00	.00	.00	.00
A	135	385.00	4565.00	5000.00	1.600	.940	20.00	.00	.00	.00	.00
A	136	385.00	4550.00	5000.00	.090	.040	20.00	.00	.00	.00	.00
A	137	390.00	4585.00	5000.00	.870	.630	20.00	.00	.00	.00	.00
A	138	390.00	4580.00	5000.00	1.100	.820	20.00	.00	.00	.00	.00
A	139	390.00	4575.00	5000.00	6.310	4.790	20.00	.00	.00	.00	.00
A	140	390.00	4570.00	5000.00	.620	.420	20.00	.00	.00	.00	.00
A	141	390.00	4565.00	5000.00	.500	.360	20.00	.00	.00	.00	.00
A	142	390.00	4560.00	5000.00	.090	.040	20.00	.00	.00	.00	.00
A	143	390.00	4555.00	5000.00	.470	.300	20.00	.00	.00	.00	.00
A	144	390.00	4550.00	5000.00	.590	.350	20.00	.00	.00	.00	.00
A	145	395.00	4585.00	5000.00	2.930	2.250	20.00	.00	.00	.00	.00
A	146	395.00	4580.00	5000.00	2.470	1.890	20.00	.00	.00	.00	.00
A	147	395.00	4575.00	5000.00	1.780	1.350	20.00	.00	.00	.00	.00
A	148	395.00	4570.00	5000.00	2.370	1.780	20.00	.00	.00	.00	.00
A	149	395.00	4565.00	5000.00	.480	.320	20.00	.00	.00	.00	.00
A	150	395.00	4560.00	5000.00	.090	.040	20.00	.00	.00	.00	.00
A	151	395.00	4555.00	5000.00	1.520	1.160	20.00	.00	.00	.00	.00
A	152	395.00	4545.00	5000.00	.440	.290	20.00	.00	.00	.00	.00
A	153	400.00	4590.00	5000.00	5.140	4.060	20.00	.00	.00	.00	.00

CDMI VERSION 79130. RUN 14

SOURCE INPUT

	ID	X(M)	Y(M)	Z(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	154	460.00	4565.00	5000.00	10.560	6.360	20.00	.00	.00	.00	.00
A	155	460.00	4560.00	5000.00	1.110	.630	20.00	.00	.00	.00	.00
A	156	460.00	4555.00	5000.00	.720	.500	20.00	.00	.00	.00	.00
A	157	460.00	4550.00	5000.00	.540	.340	20.00	.00	.00	.00	.00
A	158	460.00	4545.00	5000.00	.040	.040	20.00	.00	.00	.00	.00
A	159	460.00	4540.00	5000.00	.040	.040	20.00	.00	.00	.00	.00
A	160	465.00	4590.00	5000.00	2.710	2.350	20.00	.00	.00	.00	.00
A	161	465.00	4585.00	5000.00	4.280	3.250	20.00	.00	.00	.00	.00
A	162	465.00	4580.00	5000.00	7.850	6.180	20.00	.00	.00	.00	.00
A	163	465.00	4575.00	5000.00	6.610	5.050	20.00	.00	.00	.00	.00
A	164	465.00	4570.00	5000.00	.770	.540	20.00	.00	.00	.00	.00
A	165	465.00	4565.00	5000.00	.040	.040	20.00	.00	.00	.00	.00
A	166	465.00	4560.00	5000.00	.840	.600	20.00	.00	.00	.00	.00
A	167	465.00	4555.00	5000.00	.440	.300	20.00	.00	.00	.00	.00
A	168	410.00	4585.00	5000.00	.530	.390	20.00	.00	.00	.00	.00
A	169	410.00	4580.00	5000.00	2.010	1.520	20.00	.00	.00	.00	.00
A	170	410.00	4575.00	5000.00	1.190	.870	20.00	.00	.00	.00	.00
A	171	410.00	4570.00	5000.00	2.130	1.600	20.00	.00	.00	.00	.00
A	172	410.00	4565.00	5000.00	.580	.430	20.00	.00	.00	.00	.00
A	173	410.00	4560.00	5000.00	.540	.340	20.00	.00	.00	.00	.00
A	174	410.00	4555.00	5000.00	.520	.420	20.00	.00	.00	.00	.00
A	175	410.00	4550.00	5000.00	.500	.370	20.00	.00	.00	.00	.00
A	176	415.00	4595.00	5000.00	.430	.300	20.00	.00	.00	.00	.00
A	177	415.00	4590.00	5000.00	1.540	1.150	20.00	.00	.00	.00	.00
A	178	415.00	4585.00	5000.00	.700	.530	20.00	.00	.00	.00	.00
A	179	415.00	4580.00	5000.00	2.350	1.780	20.00	.00	.00	.00	.00
A	180	415.00	4575.00	5000.00	.800	.560	20.00	.00	.00	.00	.00
A	181	415.00	4570.00	5000.00	.840	.670	20.00	.00	.00	.00	.00
A	182	420.00	4575.00	5000.00	.550	.350	20.00	.00	.00	.00	.00
A	183	420.00	4570.00	5000.00	.730	.540	20.00	.00	.00	.00	.00
A	184	460.00	4605.00	2500.00	14.300	8.530	20.00	.00	.00	.00	.00
A	185	460.00	4607.50	2500.00	4.340	3.460	20.00	.00	.00	.00	.00
A	186	460.00	4610.00	2500.00	4.200	1.770	20.00	.00	.00	.00	.00
A	187	462.50	4612.50	2500.00	1.780	.720	10.00	.00	.00	.00	.00
A	188	462.50	4610.00	2500.00	3.000	1.660	15.00	.00	.00	.00	.00
A	189	462.50	4607.50	2500.00	4.200	1.780	15.00	.00	.00	.00	.00
A	190	462.50	4605.00	2500.00	.720	.710	15.00	.00	.00	.00	.00
A	191	460.00	4600.00	5000.00	3.000	1.540	15.00	.00	.00	.00	.00
A	192	465.00	4615.00	2500.00	2.200	.990	15.00	.00	.00	.00	.00
A	193	467.50	4617.50	2500.00	2.000	.900	15.00	.00	.00	.00	.00
A	194	467.50	4615.00	2500.00	3.000	1.500	15.00	.00	.00	.00	.00
A	195	465.00	4610.00	5000.00	8.400	3.480	15.00	.00	.00	.00	.00
A	196	465.00	4605.00	5000.00	4.800	2.040	15.00	.00	.00	.00	.00
A	197	465.00	4600.00	5000.00	2.400	1.410	15.00	.00	.00	.00	.00
A	198	470.00	4620.00	2500.00	1.580	.000	15.00	.00	.00	.00	.00
A	199	472.50	4620.00	2500.00	1.510	1.250	15.00	.00	.00	.00	.00
A	200	470.00	4615.00	5000.00	6.100	2.520	15.00	.00	.00	.00	.00
A	201	470.00	4610.00	5000.00	3.330	2.890	15.00	.00	.00	.00	.00
A	202	470.00	4605.00	5000.00	2.490	1.400	15.00	.00	.00	.00	.00
A	203	470.00	4600.00	5000.00	2.540	1.390	15.00	.00	.00	.00	.00
A	204	475.00	4622.50	2500.00	.120	.010	15.00	.00	.00	.00	.00

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COMI VERSION 78130. RUN 14

SOURCE INPUT

	ID	X(KM)	Y(KM)	H(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG)	SA(M**2/SEC)
A	205	475.00	4620.00	2500.00	4.640	1.220	15.00	.00	.00	.00	.00
A	206	477.50	4622.50	2500.00	1.150	.030	15.00	.00	.00	.00	.00
A	207	477.50	4620.00	2500.00	4.600	1.170	15.00	.00	.00	.00	.00
A	208	475.00	4615.00	5000.00	9.200	3.810	15.00	.00	.00	.00	.00
A	209	475.00	4610.00	5000.00	3.850	2.380	15.00	.00	.00	.00	.00
A	210	476.00	4626.00	5000.00	3.850	1.980	15.00	.00	.00	.00	.00
A	211	480.00	4615.00	5000.00	3.670	1.710	15.00	.00	.00	.00	.00
A	212	480.00	4610.00	5000.00	2.540	1.400	15.00	.00	.00	.00	.00
A	213	485.00	4625.00	5000.00	3.750	2.710	15.00	.00	.00	.00	.00
A	214	485.00	4620.00	5000.00	3.690	1.950	15.00	.00	.00	.00	.00
A	215	485.00	4615.00	5000.00	1.430	1.610	15.00	.00	.00	.00	.00
A	216	485.00	4610.00	5000.00	1.000	.000	15.00	.00	.00	.00	.00
A	217	490.00	4625.00	5000.00	4.140	1.860	15.00	.00	.00	.00	.00
A	218	490.00	4620.00	5000.00	2.930	1.510	15.00	.00	.00	.00	.00
A	219	490.00	4615.00	5000.00	1.100	.000	15.00	.00	.00	.00	.00
A	220	495.00	4630.00	5000.00	2.500	1.410	15.00	.00	.00	.00	.00
A	221	495.00	4625.00	5000.00	4.070	2.730	10.00	.00	.00	.00	.00
A	222	495.00	4620.00	5000.00	3.640	2.380	10.00	.00	.00	.00	.00
A	223	495.00	4615.00	5000.00	1.000	.000	10.00	.00	.00	.00	.00
A	224	442.50	4591.50	1250.00	9.350	.000	20.00	.00	.00	.00	.00
A	225	442.50	4588.75	1250.00	31.600	.000	19.00	.00	.00	.00	.00
A	226	443.75	4591.25	1250.00	14.120	.000	34.00	.00	.00	.00	.00
A	227	443.75	4590.00	1250.00	11.300	.000	18.00	.00	.00	.00	.00
A	228	443.75	4588.75	1250.00	2.800	.000	20.00	.00	.00	.00	.00
A	229	443.75	4587.50	1250.00	1.400	.000	20.00	.00	.00	.00	.00

229 AREA SOURCE(S). 191 POINT SOURCE(S).

@ADD,P PS8ML*MODEL-DATA.CLEV-SITES

FROM AREA SOURCES

WIND SECTOR	RECEPTOR 16	RECEPTOR 10	RECEPTOR 1	RECEPTOR 4	RECEPTOR 3	RECEPTOR 7	RECEPTOR 9	RECEPTOR 15	RECEPTOR 5	RECEPTOR 17
N	.67	.57	.64	.45	.44	.43	.40	.39	.33	.33
	10.76%	10.76%	10.82%	10.76%	10.76%	10.76%	10.76%	10.76%	10.76%	10.76%
NNE	.40	.39	.29	.21	.19	.19	.18	.18	.15	.15
	4.80%	4.80%	4.82%	4.80%	4.80%	4.80%	4.80%	4.80%	4.80%	4.80%
NE	.33	.32	.23	.17	.15	.16	.15	.14	.12	.12
	3.92%	3.92%	3.92%	3.92%	3.92%	3.92%	3.92%	3.92%	3.92%	3.92%
ENE	.18	.18	.13	.10	.09	.09	.08	.08	.07	.07
	2.22%	2.22%	2.22%	2.22%	2.22%	2.22%	2.22%	2.22%	2.22%	2.22%
E	.15	.15	.11	.08	.08	.07	.07	.07	.06	.06
	1.87%	1.87%	1.86%	1.87%	1.87%	1.87%	1.87%	1.87%	1.87%	1.87%
ESE	.10	.09	.07	.05	.05	.05	.04	.04	.04	.04
	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	1.16%
SE	.21	.21	.15	.11	.10	.10	.10	.09	.08	.08
	2.54%	2.54%	2.53%	2.54%	2.54%	2.54%	2.54%	2.54%	2.54%	2.54%
SSE	.52	.50	.37	.28	.25	.25	.23	.23	.19	.19
	6.23%	6.23%	6.19%	6.23%	6.23%	6.23%	6.23%	6.23%	6.23%	6.23%
S	1.48	1.44	1.06	.79	.72	.71	.67	.65	.55	.54
	17.83%	17.83%	17.74%	17.83%	17.83%	17.83%	17.83%	17.83%	17.83%	17.83%
SSW	.94	.91	.67	.50	.46	.45	.42	.41	.35	.34
	11.30%	11.30%	11.25%	11.30%	11.30%	11.30%	11.30%	11.30%	11.30%	11.30%
SW	.93	.91	.67	.50	.46	.45	.42	.41	.35	.34
	11.25%	11.25%	11.25%	11.25%	11.25%	11.25%	11.25%	11.25%	11.25%	11.25%
WSW	.68	.66	.49	.36	.33	.32	.31	.30	.25	.25
	8.15%	8.15%	8.16%	8.15%	8.15%	8.15%	8.15%	8.15%	8.15%	8.15%
W	.50	.49	.36	.27	.24	.24	.23	.22	.19	.18
	6.02%	6.02%	6.06%	6.02%	6.02%	6.02%	6.02%	6.02%	6.02%	6.02%
WNW	.28	.27	.20	.15	.14	.13	.12	.12	.10	.10
	3.34%	3.34%	3.36%	3.34%	3.34%	3.34%	3.34%	3.34%	3.34%	3.34%
NW	.38	.37	.28	.21	.19	.18	.17	.17	.14	.14
	4.62%	4.62%	4.63%	4.62%	4.62%	4.62%	4.62%	4.62%	4.62%	4.62%
NNW	.33	.32	.24	.18	.16	.16	.15	.15	.12	.12
	3.98%	3.98%	4.03%	3.98%	3.98%	3.98%	3.98%	3.98%	3.98%	3.98%

----SOURCE CONTRIBUTION TABLE----

ANNUAL SO2

(MICROGRAM PER CUBIC METER)

CLEVELAND CALIBRATION

****TOTALS****

WIND SECTOR	RECEPTOR 16		RECEPTOR 10		RECEPTOR 1		RECEPTOR 4		RECEPTOR 3		RECEPTOR 7		RECEPTOR 9		RECEPTOR 15		RECEPTOR 5		RECEPTOR 17	
TOTAL	6.7+	.0	6.1+	.0	6.0+	.0	4.4+	.0	4.1+	.0	4.0+	.0	3.7+	.0	3.7+	.0	3.1+	.0	3.0+	.0

&AMD.E

INPUT FILE PSBVL *CLEV-BDC HAS SOF HEADER 500113000000 000000000000

REC	1	40.7	443.6
REC	2	44.4	441.4
REC	3	38.4	447.9
REC	4	43.3	446.4
REC	5	33.0	452.1
REC	6	41.1	437.2
REC	7	45.0	439.8
REC	8	41.8	445.1
REC	9	36.3	445.5
REC	10	39.5	443.5
REC	11	44.1	432.0
REC	12	44.9	444.8
REC	13	40.9	441.2
REC	14	36.5	448.6
REC	15	45.5	439.7
REC	16	38.3	442.6
REC	17	22.3	463.5
REC	18	11.3	483.7
REC	19	27.2	460.5
REC	20	24.4	460.2
REC	21	11.5	478.7
REC	22	11.3	477.6
REC	23	10.3	477.7
REC	24	11.1	479.7

INPUT FILE PSBVL *CLEV-BDC : 0 RECORDS SKIPPED, 24 RECORDS COPIED/DUMPED. MAX RECORD 5 WORDS, MIN 5 WORDS.

```
INPUT FILE PSBML        *CLEC          HAS SDF HEADER 500113000000 000000000000
REC      1                      6.
REC      2                      4.
REC      3                      4.
REC      4                      3.
REC      5                      3.
REC      6                      4.
REC      7                      2.
REC      8                      4.
REC      9                      8.
REC     10                      3.
REC     11                      3.
REC     12                      1.
REC     13                      4.
REC     14                      8.
REC     15                      3.
REC     16                      3.
REC     17                      1.
REC     18                      0.
REC     19                      3.
REC     20                      1.
REC     21                      1.
REC     22                      1.
REC     23                      0.
REC     24                      1.

INPUT FILE PSBML        *CLEC          :      0 RECORDS SKIPPED.    24 RECORDS COPIED/DUMPED.  MAX RECORD    4 WORDS. MIN    4 WORDS.

@BRKPT PRINTS
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TOLEDO CDM CALIBRATION

CDMI VERSION (6130, RUN 10

THE CENTRAL WIND SPEEDS OF THE SIX WIND SPEED CLASSES (U):
.150000+01 .245872+01 .447040+01 .692912+01 .961136+01 .125171+02

THE EXPONENTIAL OF THE VERTICAL WIND PROFILE BY STABILITY CLASS (UE):
.100000+00 .150000+00 .200000+00 .250000+00 .250000+00 .300000+00

THE INITIAL SIGMA Z FOR AREA SOURCES BY STABILITY CLASS (SZA):
.300000+02 .300000+02 .300000+02 .300000+02 .300000+02 .300000+02

THE CLIMATOLOGICAL MEAN NOCTURNAL AND AFTERNOON MIXING HEIGHTS (HMIN,HT):
.510000+03 .120000+04

THE DAY AND NIGHT EMISSION WEIGHT FACTORS (YD,YN):
.114000+01 .860000+00

THE X-MIN AND Y-MIN OF THE AREA EMISSION INVENTORY GRID (XG,YG):
.255000+03 .456000+04

THE WIDTH OF A BASIC AREA SOURCE SQUARE (TXX):
.100000+04

THE NUMBER OF SUB-SECTORS CONSIDERED IN A 22.5 DEGREE SECTOR, AND ANGULAR WIDTH OF A SUB-SECTOR (DINT,THETA):
.400000+01 .562500+01

THE INITIAL RADIAL INCREMENT (DELR):
.500000+03

THE RADIAL INCREMENT FACTORS (INC):
1 2 4 4

THE RATIO OF EMISSION GRID TO MAP GRID (RAT):
.100000+01

THE GRID CONVERSION FACTOR (CV):
.100000+04

THE AMBIENT AIR TEMPERATURE (TQA):
.283360+03

THE DECAY RATE HALF LIFE FOR P 1 AND P 2 (GB):
.400000+01 .999999+06

INTERCEPTS FOR P 1 AND P 2 (CA):
.000000 .000000

SLOPES FOR P 1 AND P 2 (CB AND CC):
.100000+01 .000000 .100000+01 .000000

THE SIGMA Z COEFFICIENT TABLE (G):

.253900-03	.253900-03	.389000-01	.208860+01	.208860+01	.128120+01
.493600-01	.493600-01	.139300+00	.111370+01	.111370+01	.946700+00
.115400+00	.101400+00	.112000+00	.910900+00	.926000+00	.910000+00
.736800+00	.259100+00	.856000-01	.564200+00	.686900+00	.865000+00
.129690+01	.252700+00	.816000-01	.442100+00	.634100+00	.815500+00

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SECTOR	U1	U2	U3	U4	U5	U6
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 1			
1	.000000	.000000	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000	.000000	.000000
5	.000000	.000000	.000000	.000000	.000000	.000000
6	.000000	.000000	.000000	.000000	.000000	.000000
7	.000000	.000000	.000000	.000000	.000000	.000000
8	.000000	.000000	.000000	.000000	.000000	.000000
9	.000000	.000000	.000000	.000000	.000000	.000000
10	.000000	.340000-03	.000000	.000000	.000000	.000000
11	.000000	.000000	.000000	.000000	.000000	.000000
12	.000000	.000000	.000000	.000000	.000000	.000000
13	.000000	.000000	.000000	.000000	.000000	.000000
14	.000000	.000000	.000000	.000000	.000000	.000000
15	.000000	.000000	.000000	.000000	.000000	.000000
16	.000000	.000000	.000000	.000000	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 2			
1	.750000-03	.000000	.171000-02	.000000	.000000	.000000
2	.300000-04	.340000-03	.000000	.000000	.000000	.000000
3	.520000-03	.137000-02	.000000	.000000	.000000	.000000
4	.480000-03	.103000-02	.340000-03	.000000	.000000	.000000
5	.450000-03	.680000-03	.137000-02	.000000	.000000	.000000
6	.100000-03	.103000-02	.680000-03	.000000	.000000	.000000
7	.450000-03	.680000-03	.340000-03	.000000	.000000	.000000
8	.480000-03	.103000-02	.000000	.000000	.000000	.000000
9	.100000-02	.240000-02	.137000-02	.000000	.000000	.000000
10	.170000-03	.171000-02	.680000-03	.000000	.000000	.000000
11	.170000-03	.171000-02	.205000-02	.000000	.000000	.000000
12	.170000-03	.171000-02	.103000-02	.000000	.000000	.000000
13	.820000-03	.680000-03	.103000-02	.000000	.000000	.000000
14	.300000-04	.340000-03	.171000-02	.000000	.000000	.000000
15	.100000-03	.103000-02	.103000-02	.000000	.000000	.000000
16	.700000-04	.680000-03	.103000-02	.000000	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 3			
1	.160000-02	.103000-02	.342000-02	.137000-02	.000000	.000000
2	.100000-03	.103000-02	.103000-02	.000000	.000000	.000000
3	.130000-03	.137000-02	.308000-02	.000000	.000000	.000000
4	.160000-03	.171000-02	.411000-02	.103000-02	.000000	.000000
5	.470000-03	.103000-02	.411000-02	.000000	.000000	.000000
6	.300000-04	.340000-03	.340000-03	.000000	.000000	.000000
7	.700000-04	.680000-03	.171000-02	.680000-03	.000000	.000000
8	.110000-02	.340000-03	.342000-02	.000000	.000000	.000000
9	.540000-03	.171000-02	.582000-02	.171000-02	.000000	.000000
10	.180000-03	.171000-02	.719000-02	.680000-03	.000000	.000000
11	.540000-03	.171000-02	.788000-02	.137000-02	.000000	.000000
12	.700000-03	.342000-02	.985000-02	.274000-02	.000000	.000000
13	.410000-03	.340000-03	.719000-02	.171000-02	.000000	.000000
14	.000000	.000000	.171000-02	.680000-03	.000000	.000000
15	.410000-03	.340000-03	.274000-02	.340000-03	.000000	.000000
16	.300000-04	.340000-03	.342000-02	.680000-03	.000000	.000000

CDMI VERSION 78130. RUN 10

THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 4

SECTOR	U1	U2	U3	U4	U5	U6
1	.338000-03	.240000-02	.514000-02	.788000-02	.588000-03	.000000
2	.390000-03	.342000-02	.377000-02	.880000-03	.000000	.000000
3	.300000-04	.205000-02	.411000-02	.685000-02	.588000-03	.000000
4	.300000-04	.616000-02	.113000-01	.890000-02	.000000	.000000
5	.380000-03	.274000-02	.651000-02	.788000-02	.000000	.000000
6	.300000-04	.205000-02	.377000-02	.171000-02	.000000	.000000
7	.370000-03	.171000-02	.274000-02	.274000-02	.000000	.000000
8	.300000-04	.205000-02	.342000-02	.445000-02	.340000-03	.000000
9	.420000-03	.548000-02	.925000-02	.109600-01	.137000-02	.000000
10	.700000-04	.514000-02	.753000-02	.856000-02	.340000-03	.000000
11	.500000-04	.377000-02	.126700-01	.164400-01	.000000	.000000
12	.600000-04	.445000-02	.890000-02	.191800-01	.171000-02	.000000
13	.710000-03	.137000-02	.616000-02	.205500-01	.103000-02	.650000-03
14	.100000-04	.680000-03	.616000-02	.143800-01	.342000-02	.340000-03
15	.200000-04	.137000-02	.205000-02	.753000-02	.137000-02	.000000
16	.300000-04	.240000-02	.411000-02	.651000-02	.340000-03	.000000

THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 5

SECTOR	U1	U2	U3	U4	U5	U6
1	.560000-03	.308000-02	.685000-02	.479000-02	.000000	.000000
2	.150000-03	.240000-02	.308000-02	.205000-02	.000000	.000000
3	.560000-03	.308000-02	.616000-02	.719000-02	.340000-03	.000000
4	.920000-03	.308000-02	.106200-01	.616000-02	.000000	.000000
5	.176000-02	.479000-02	.143800-01	.377000-02	.000000	.000000
6	.240000-02	.411000-02	.616000-02	.137000-02	.000000	.000000
7	.540000-03	.274000-02	.205000-02	.274000-02	.000000	.000000
8	.120000-02	.171000-02	.411000-02	.342000-02	.340000-03	.000000
9	.970000-03	.377000-02	.119900-01	.479000-02	.000000	.000000
10	.560000-03	.308000-02	.856000-02	.479000-02	.000000	.000000
11	.150000-03	.240000-02	.102700-01	.161000-01	.680000-03	.000000
12	.580000-03	.342000-02	.925000-02	.198500-01	.103000-02	.340000-03
13	.280000-03	.445000-02	.890000-02	.113000-01	.000000	.000000
14	.110000-02	.103000-02	.102700-01	.123300-01	.137000-02	.000000
15	.700000-04	.103000-02	.445000-02	.753000-02	.680000-03	.000000
16	.900000-04	.137000-02	.377000-02	.616000-02	.340000-03	.000000

THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 6

SECTOR	U1	U2	U3	U4	U5	U6
1	.460000-02	.719000-02	.308000-02	.000000	.000000	.000000
2	.248000-02	.240000-02	.137000-02	.000000	.000000	.000000
3	.237000-02	.616000-02	.103000-02	.000000	.000000	.000000
4	.514000-02	.788000-02	.205000-02	.000000	.000000	.000000
5	.464000-02	.106200-01	.342000-02	.000000	.000000	.000000
6	.315000-02	.377000-02	.103000-02	.000000	.000000	.000000
7	.531000-02	.445000-02	.000000	.000000	.000000	.000000
8	.248000-02	.890000-02	.240000-02	.000000	.000000	.000000
9	.871000-02	.226000-01	.377000-02	.000000	.000000	.000000
10	.413000-02	.133800-01	.377000-02	.000000	.000000	.000000
11	.415000-02	.115000-01	.959000-02	.000000	.000000	.000000
12	.650000-02	.130100-01	.665000-02	.000000	.000000	.000000
13	.351000-02	.768000-02	.719000-02	.000000	.000000	.000000
14	.402000-02	.411000-02	.788000-02	.000000	.000000	.000000
15	.165000-02	.445000-02	.377000-02	.000000	.000000	.000000
16	.340000-02	.514000-02	.308000-02	.000000	.000000	.000000

45<

** SOURCE CONTRIBUTION VERSION OF CDM **

TOLEDO CALIBRATION

TEN MAXIMUM WILL BE SELECTED IN SOURCE CONTRIBUTION

NO STATISTICAL DATA NEEDED

@ADD.P PSBML*TOL-BPT.

SOURCE INPUT

ID	X(M)	Y(M)	Z(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 1	B001	TOLEDO EDISON BAYSHORE 100% COAL								
P 1	297.30	4618.10	.00	383.900	.000	76.20	3.70	17.61	130.00	.00
SOURCE NO. 2	B002	TOLEDO EDISON BAYSHORE 100% COAL								
P 2	297.30	4618.10	.00	382.800	.000	76.20	3.70	17.61	130.00	.00
SOURCE NO. 3	B003	TOLEDO EDISON BAYSHORE 100% COAL								
P 3	297.30	4618.10	.00	402.000	.000	76.20	3.70	17.52	129.00	.00
SOURCE NO. 4	B004	TOLEDO EDISIN BAYSHORE 100% COAL								
P 4	297.30	4618.10	.00	587.500	.000	76.20	4.30	19.21	128.00	.00
SOURCE NO. 5	B005	TOLEDO EDISON BAYSHORE								
P 5	297.30	4618.10	.00	.300	.000	7.90	3.40	22.81	529.00	.00
SOURCE NO. 6	B001	TOLEDO EDISON ACME 100% OIL								
P 6	290.50	4614.30	.00	39.950	.000	83.80	4.90	5.56	393.00	.00
SOURCE NO. 7	B002	TOLEDO EDISON ACME 100% OIL								
P 7	290.50	4614.30	.00	39.800	.000	83.80	4.90	5.56	393.00	.00
SOURCE NO. 8	B003	TOLEDO EDISON ACME 29% COAL 71% COG								
P 8	290.50	4614.30	.00	255.200	.000	75.00	3.30	14.59	164.00	.00
SOURCE NO. 9	B004	TOLEDO EDISON ACME 61% COAL 29% COG								
P 9	290.50	4614.30	.00	1048.000	.000	90.90	6.70	12.72	208.00	.00
SOURCE NO. 10	B012	STANDARD OIL TOLEDO REFINERY								
P 10	295.70	4616.80	.00	2.530	.000	30.50	2.00	1.37	738.00	.00
SOURCE NO. 11	B014	STANDARD OIL TOLEDO REFINERY								
P 11	295.70	4616.80	.00	55.770	.000	36.60	3.60	2.50	499.00	.00
SOURCE NO. 12	B015	STANDARD OIL TOLEDO REFINERY								
P 12	295.70	4616.80	.00	97.600	.000	36.60	3.60	2.50	499.00	.00
SOURCE NO. 13	B016	STANDARD OIL REFINERY TOLEDO								
P 13	295.70	4616.80	.00	11.110	.000	41.20	1.20	2.02	796.00	.00
SOURCE NO. 14	B017	STANDARD OIL REFINERY TOLEDO								
P 14	295.70	4616.80	.00	16.580	.000	36.60	1.90	1.11	632.00	.00
SOURCE NO. 15	B018	STANDARD OIL TOLEDO REFINERY								
P 15	295.70	4616.80	.00	19.430	.000	35.10	1.90	1.05	624.00	.00
SOURCE NO. 16	B019	STANDARD OIL TOLEDO REFINERY								
P 16	295.70	4616.80	.00	55.170	.000	35.10	2.60	1.95	563.00	.00
SOURCE NO. 17	B020	STANDARD OIL TOLEDO REFINERY								
P 17	295.70	4616.80	.00	56.520	.000	36.90	2.10	1.28	427.00	.00
SOURCE NO. 18	B021	STANDARD OIL REFINERY TOLEDO								
P 18	295.70	4616.80	.00	.290	.000	11.90	.80	1.28	571.00	.00
SOURCE NO. 19	B022	STANDARD OIL TOLEDO REFINERY								
P 19	295.70	4616.80	.00	18.480	.000	36.60	1.30	3.23	724.00	.00
SOURCE NO. 20	B024	STANDARD OIL TOLEDO REFINERY								
P 20	295.70	4616.80	.00	.370	.000	30.48	1.50	1.50	700.00	.00
SOURCE NO. 21	P001									
P 21	295.70	4616.80	.00	115.400	.000	87.20	.20	8.00	149.00	.00
SOURCE NO. 22	P007									
P 22	295.70	4616.80	.00	141.100	.000	76.20	3.40	8.00	204.00	.00
SOURCE NO. 23	P008									
P 23	295.70	4616.80	.00	2.360	.000	45.70	.90	8.00	704.00	.00
SOURCE NO. 24	B001	GULF OIL REFINERY TOLEDO								
P 24	293.10	4616.40	.00	2.790	.000	61.00	3.40	2.31	288.00	.00
SOURCE NO. 25	B002									
P 25	293.10	4616.40	.00	2.790	.000	61.00	3.40	2.31	288.00	.00
SOURCE NO. 26	B003									
P 26	293.10	4616.40	.00	2.790	.000	61.00	3.40	2.31	288.00	.00

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CDMI VERSION 78130. RUN 10

SOURCE INPUT ID	X(KM)	Y(KM)	TA(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 27 B004 P 27	293.10	4616.40	.00	2.790	.000	61.00	3.40	2.31	288.00	.00
SOURCE NO. 28 B005 P 28	293.10	4616.40	.00	9.040	.000	18.30	1.40	9.12	238.00	.00
SOURCE NO. 29 B006 P 29	293.10	4616.40	.00	9.040	.000	18.30	1.40	9.12	238.00	.00
SOURCE NO. 30 B007 P 30	293.10	4616.40	.00	20.010	.000	45.70	2.40	14.12	460.00	.00
SOURCE NO. 31 B008 P 31	293.10	4616.40	.00	2.820	.000	45.70	2.40	14.12	460.00	.00
SOURCE NO. 32 B009 P 32	293.10	4616.40	.00	9.090	.000	43.60	1.90	9.54	549.00	.00
SOURCE NO. 33 B010 P 33	293.10	4616.40	.00	2.850	.000	27.20	1.00	6.52	371.00	.00
SOURCE NO. 34 B011 P 34	293.10	4616.40	.00	.580	.000	25.30	.60	14.36	382.00	.00
SOURCE NO. 35 B012 P 35	293.10	4616.40	.00	.550	.000	21.30	.80	6.33	427.00	.00
SOURCE NO. 36 B013 P 36	293.10	4616.40	.00	7.700	.000	20.00	2.40	3.27	427.00	.00
SOURCE NO. 37 B014 P 37	293.10	4616.40	.00	11.300	.000	20.00	2.40	8.95	566.00	.00
SOURCE NO. 38 B015 P 38	293.10	4616.40	.00	.010	.000	20.00	1.10	2.50	399.00	.00
SOURCE NO. 39 B016 P 39	293.10	4616.40	.00	5.610	.000	49.40	2.40	3.10	249.00	.00
SOURCE NO. 40 B017 P 40	293.10	4616.40	.00	3.260	.000	25.60	1.60	7.24	477.00	.00
SOURCE NO. 41 B018 P 41	293.10	4616.40	.00	1.950	.000	25.60	1.60	4.27	477.00	.00
SOURCE NO. 42 B019 P 42	293.10	4616.40	.00	1.790	.000	25.30	1.40	4.74	454.00	.00
SOURCE NO. 43 B020 P 43	293.10	4616.40	.00	10.050	.000	22.30	1.40	2.55	482.00	.00
SOURCE NO. 44 P003 P 44	293.10	4616.40	.00	44.080	.000	49.40	2.40	9.93	249.00	.00
SOURCE NO. 45 P005 P 45	293.10	4616.40	.00	8.320	.000	30.50	.80	2.79	538.00	.00
SOURCE NO. 46 SUN OIL COMPANY TOLEDO REFINERY B001 P 46	291.50	4611.80	.00	8.350	.000	53.30	2.40	7.41	454.00	.00
SOURCE NO. 47 B004 P 47	291.50	4611.80	.00	5.330	.000	53.30	2.40	5.30	460.00	.00
SOURCE NO. 48 B006 P 48	291.50	4611.80	.00	2.270	.000	26.80	1.50	7.76	371.00	.00
SOURCE NO. 49 B007 P 49	291.50	4611.80	.00	2.270	.000	26.80	1.50	7.76	371.00	.00
SOURCE NO. 50 B008 P 50	291.50	4611.80	.00	2.270	.000	26.80	1.50	7.76	371.00	.00
SOURCE NO. 51 B009 P 51	291.50	4611.80	.00	2.270	.000	26.80	1.50	7.76	371.00	.00
SOURCE NO. 52 B010 P 52	291.50	4611.80	.00	5.700	.000	38.10	1.90	10.85	510.00	.00

SOURCE INPUT

ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 53 B011										
P 53	291.50	4611.80	.00	5.100	.000	38.10	1.80	8.98	538.00	.00
SOURCE NO. 54 B029										
P 54	291.50	4611.80	.00	.750	.000	42.70	1.60	7.51	404.00	.00
SOURCE NO. 55 B030										
P 55	291.50	4611.80	.00	3.020	.000	42.70	1.80	7.77	307.00	.00
SOURCE NO. 56 B031										
P 56	291.50	4611.80	.00	3.020	.000	42.70	1.80	7.77	307.00	.00
SOURCE NO. 57 B032										
P 57	291.50	4611.80	.00	2.070	.000	53.30	3.70	6.00	260.00	.00
SOURCE NO. 58 B033										
P 58	291.50	4611.80	.00	3.800	.000	53.30	3.70	6.00	260.00	.00
SOURCE NO. 59 B034										
P 59	291.50	4611.80	.00	1.530	.000	42.70	2.00	7.32	285.00	.00
SOURCE NO. 60 B035										
P 60	291.50	4611.80	.00	.810	.000	42.70	2.00	7.32	285.00	.00
SOURCE NO. 61 B044										
P 61	291.50	4611.80	.00	16.170	.000	39.60	2.90	7.32	199.00	.00
SOURCE NO. 62 P011										
P 62	291.50	4611.80	.00	161.900	.000	75.90	3.00	28.18	232.00	.00
SOURCE NO. 63 TOLEDO EDISON WATER STREET STATION B001										
P 63	289.10	4613.90	.00	.090	.000	62.20	4.80	4.00	238.00	.00
SOURCE NO. 64 B002										
P 64	289.10	4613.90	.00	.370	.000	62.20	4.80	4.00	288.00	.00
SOURCE NO. 65 B003										
P 65	289.10	4613.90	.00	2.620	.000	62.20	4.80	4.00	288.00	.00
SOURCE NO. 66 B004										
P 66	289.10	4613.90	.00	1.490	.000	62.20	4.80	4.00	288.00	.00
SOURCE NO. 67 B005										
P 67	289.10	4613.90	.00	.890	.000	62.20	4.80	4.00	288.00	.00
SOURCE NO. 68 B006										
P 68	289.10	4613.90	.00	10.310	.000	65.20	4.10	3.60	201.00	.00
SOURCE NO. 69 B007										
P 69	289.10	4613.90	.00	9.420	.000	65.20	4.10	3.60	201.00	.00
SOURCE NO. 70 B008										
P 70	289.10	4613.90	.00	34.460	.000	60.40	4.10	1.70	174.00	.00
SOURCE NO. 71 COULTON CHEMICAL TOLEDO B001										
P 71	296.00	4617.80	.00	.060	.000	8.50	.40	9.80	649.00	.00
SOURCE NO. 72 B002										
P 72	296.00	4617.80	.00	.030	.000	6.70	.40	6.51	649.00	.00
SOURCE NO. 73 P001										
P 73	296.00	4617.80	.00	19.700	.000	22.90	1.30	7.21	82.00	136.00
SOURCE NO. 74 P002										
P 74	296.00	4617.80	.00	14.200	.000	12.20	.80	11.54	49.00	82.50
SOURCE NO. 75 PHILLIPS PETROLEUM PHILBLACK PLT B001										
P 75	293.90	4616.70	.00	27.800	.000	41.20	2.30	19.89	454.00	.00
SOURCE NO. 76 B002										
P 76	293.90	4616.70	.00	27.800	.000	41.20	2.30	19.89	454.00	.00
SOURCE NO. 77 B003										
P 77	293.90	4616.70	.00	8.500	.000	41.20	.90	21.13	427.00	.00
SOURCE NO. 78 B004										
P 78	293.90	4616.70	.00	8.500	.000	41.20	.90	21.13	427.00	.00

CDMI VERSION 7/0130. RUN 10

SOURCE ID	X(KM)	Y(KM)	TA(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 79 N001										
P 79	293.90	4616.70	.00	13.800	.000	41.20	2.30	19.69	454.00	.00
SOURCE NO. 80 AMERICAN MOTORS JEEP CORP B001										
P 80	286.70	4617.60	.00	6.420	.000	68.60	4.30	2.47	177.00	.00
SOURCE NO. 81 B002										
P 81	286.70	4617.60	.00	6.420	.000	68.60	4.30	2.47	177.00	.00
SOURCE NO. 82 B003										
P 82	286.70	4617.60	.00	2.790	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 83 B004										
P 83	286.70	4617.60	.00	2.790	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 84 B005										
P 84	286.70	4617.60	.00	2.160	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 85 B006										
P 85	286.70	4617.60	.00	2.160	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 86 B007										
P 86	286.70	4617.60	.00	2.160	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 87 B008										
P 87	286.70	4617.60	.00	2.160	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 88 B009										
P 88	286.70	4617.60	.00	2.620	.000	62.50	2.60	2.24	177.00	.00
SOURCE NO. 89 B010										
P 89	286.70	4617.60	.00	2.620	.000	62.50	2.60	2.24	177.00	.00
SOURCE NO. 90 TOLEDO MENTAL HOSPITAL B001										
P 90	283.10	4610.60	.00	5.240	.000	27.40	1.10	12.30	260.00	.00
SOURCE NO. 91 B002										
P 91	283.10	4610.60	.00	10.510	.000	27.40	1.50	1.02	260.00	.00
SOURCE NO. 92 B003										
P 92	283.10	4610.60	.00	10.510	.000	27.40	1.50	1.02	260.00	.00
SOURCE NO. 93 INTERLAKE B001										
P 93	292.80	4616.10	.00	2.710	.000	36.60	3.10	9.82	204.00	.00
SOURCE NO. 94 B002										
P 94	292.80	4616.10	.00	2.710	.000	36.60	3.10	9.82	204.00	.00
SOURCE NO. 95 B003										
P 95	292.80	4616.10	.00	2.710	.000	36.60	3.10	9.82	204.00	.00
SOURCE NO. 96 P003										
P 96	292.80	4616.10	.00	1.700	.000	61.00	2.30	10.00	204.00	.00
SOURCE NO. 97 N001										
P 97	286.20	4615.20	.00	.060	.000	19.80	1.50	2.34	71.00	.00
SOURCE NO. 98 ALLIED CHEMICAL PLASTICS DIVISION B001										
P 98	282.20	4609.70	.00	.780	.000	45.70	2.10	1.02	288.00	.00
SOURCE NO. 99 B002										
P 99	282.20	4609.70	.00	.780	.000	45.70	2.10	1.02	288.00	.00
SOURCE NO. 100 B003										
P 100	282.20	4609.70	.00	3.650	.000	45.70	2.10	1.02	288.00	.00
SOURCE NO. 101 GENERAL MILLS B001										
P 101	285.80	4620.50	.00	1.240	.000	12.20	1.00	2.97	232.00	.00
SOURCE NO. 102 B002										
P 102	285.80	4620.50	.00	1.240	.000	12.20	1.00	2.97	232.00	.00
SOURCE NO. 103 B003										
P 103	285.80	4620.50	.00	1.240	.000	12.20	1.00	2.97	232.00	.00
SOURCE NO. 104 DOEHLER-JAVIS DIVISION B001										
P 104	288.80	4620.40	.00	.280	.000	34.70	1.80	5.00	310.00	.00

CDMI VERSION /6130. RUN 10

SOURCE INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 105 B002										
P 105	288.80	4620.90	.00	.260	.000	34.70	1.80	5.00	310.00	.00
SOURCE NO. 106 B003										
P 106	288.80	4620.90	.00	1.090	.000	15.20	.90	5.00	327.00	.00
SOURCE NO. 107 B004										
P 107	288.80	4620.90	.00	1.240	.000	15.20	.80	5.00	292.00	.00
SOURCE NO. 108 AMERICAN MOTORS JEEP CORP B001										
P 108	290.00	4620.50	.00	1.040	.000	65.50	2.40	2.40	177.00	.00
SOURCE NO. 109 B002										
P 109	290.00	4620.50	.00	1.040	.000	65.50	2.40	2.40	177.00	.00
SOURCE NO. 110 TOLEDO HOSPITAL B001										
P 110	283.90	4616.50	.00	.750	.000	53.30	1.80	3.00	177.00	.00
SOURCE NO. 111 B002										
P 111	283.90	4616.50	.00	.750	.000	53.30	1.80	3.00	177.00	.00
SOURCE NO. 112 B003										
P 112	283.90	4616.50	.00	.290	.000	53.30	1.80	3.00	177.00	.00
SOURCE NO. 113 CITY AUTO STAMPING B001										
P 113	288.60	4620.50	.00	.490	.000	41.20	1.90	3.00	177.00	.00
SOURCE NO. 114 B002										
P 114	288.60	4620.50	.00	.490	.000	41.20	1.90	3.00	177.00	.00
SOURCE NO. 115 B003										
P 115	288.60	4620.50	.00	.490	.000	41.20	1.90	3.00	177.00	.00
SOURCE NO. 116 MERCY HOSPITAL B001										
P 116	287.50	4614.80	.00	.430	.000	30.50	2.00	4.00	177.00	.00
SOURCE NO. 117 B002										
P 117	287.50	4614.80	.00	.430	.000	30.50	2.00	4.00	177.00	.00
SOURCE NO. 118 B003										
P 118	287.50	4614.80	.00	.430	.000	30.50	2.00	4.00	177.00	.00
SOURCE NO. 119 NABISCO INC FLOUR MILL B001										
P 119	292.20	4615.60	.00	.060	.000	41.20	2.10	4.00	191.00	.00
SOURCE NO. 120 B002										
P 120	292.20	4615.60	.00	.060	.000	41.20	2.10	4.00	191.00	.00
SOURCE NO. 121 B003										
P 121	292.20	4615.60	.00	.060	.000	41.20	2.10	4.00	191.00	.00
SOURCE NO. 122 B004										
P 122	292.20	4615.60	.00	.060	.000	41.20	2.10	4.00	191.00	.00
SOURCE NO. 123 NORTHERN OIL ASPHALT B001										
P 123	272.20	4618.60	.00	.230	.000	15.20	2.70	4.00	82.00	.00
SOURCE NO. 124 SENENCA PETROLEUM B001										
P 124	290.70	4611.80	.00	.100	.000	9.10	.60	4.00	427.00	.00
SOURCE NO. 125 BOWLING GREEN STATE UNIV										
P 125	282.00	4587.40	.00	33.200	.000	30.48	2.00	10.00	177.00	.00
SOURCE NO. 126 CONSOL PACKING 1921 E FIRST ST MONROE MICH										
P 126	302.00	4638.00	.00	65.650	.000	28.96	2.57	5.00	232.00	.00
SOURCE NO. 127 J R WHITING PLANT 4525 ERIE RD LUNA PIER										
P 127	297.50	4631.00	.00	126.370	.000	90.53	3.35	5.00	135.00	.00
SOURCE NO. 128 J R WHITING										
P 128	297.50	4631.00	.00	126.370	.000	90.53	3.35	5.00	135.00	.00
SOURCE NO. 129 J R WHITING										
P 129	297.50	4631.00	.00	126.370	.000	90.53	3.61	5.00	135.00	.00
SOURCE NO. 130 MONROE MFG 3200 EAST ELM MONROE MICH										
P 130	300.00	4638.20	.00	15.460	.000	62.18	3.05	5.00	177.00	.00

CDMI VERSION 78130. RUN 10

SOURCE INPUT

ID	X(KM)	Y(KM)	TA(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 131	MONROE POWER PLANT 3500 E FRONT ST MONROE MICH									
P 131	303.00	4638.20	.00	2704.500	.000	243.84	8.53	9.10	116.00	.00
SOURCE NO. 132	MONROE P P									
P 132	303.00	4638.20	.00	2704.500	.000	243.84	8.53	9.10	116.00	.00
SOURCE NO. 133	UNION CAMP 1109 EAST ELM AVE MONROE MICH									
P 133	301.50	17.00	.00	42.420	.000	44.50	1.98	5.00	196.00	.00
SOURCE NO. 134	SUN OIL COMPANY CRACKING UNITS B037									
P 134	291.50	4611.80	.00	3.020	.000	45.72	2.13	11.06	319.00	.00
SOURCE NO. 135	B038									
P 135	291.50	4611.80	.00	3.020	.000	45.72	2.13	11.06	319.00	.00
SOURCE NO. 136	B039									
P 136	291.50	4611.80	.00	3.020	.000	45.72	2.13	11.06	319.00	.00
SOURCE NO. 137	B040									
P 137	291.50	4611.80	.00	3.790	.000	45.72	2.13	11.06	319.00	.00
SOURCE NO. 138	B041									
P 138	291.50	4611.80	.00	10.620	.000	16.00	1.22	15.12	338.00	.00
SOURCE NO. 139	B042									
P 139	291.50	4611.80	.00	12.690	.000	16.67	1.22	22.23	379.00	.00
SOURCE NO. 140	LIBEY OWENS FORD, B001,2									
P 140	291.00	4610.00	.00	1.000	.000	83.80	2.10	5.30	234.00	.00
SOURCE NO. 141	LIBEY OWENS FORD ?, B003									
P 141	291.00	4610.00	.00	1.000	.000	54.90	2.40	5.30	234.00	.00
SOURCE NO. 142	LIBEY OWENS FORD ?, BOILER D									
P 142	286.90	4609.80	.00	5.520	.000	27.00	2.59	1.40	234.00	.00
SOURCE NO. 143	LIBEY OWENS FORD ?, BOILER E									
P 143	286.90	4609.80	.00	7.940	.000	27.20	2.59	1.60	177.00	.00
SOURCE NO. 144	LIBEY OWENS FORD ?, BOILER F									
P 144	286.90	4609.80	.00	9.170	.000	29.90	2.44	1.80	235.00	.00

@ADD,P PSSML*TOL-BAR.

COMI VERSION 76130. RUN 10

SOURCE ID	INPUT	X(M)	Y(M)	IX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	2	255.00	4590.00	10000.00	1.500	.000	20.00	.00	.00	.00	.00
A	3	255.00	4600.00	10000.00	2.340	.000	20.00	.00	.00	.00	.00
A	4	260.00	4560.00	10000.00	.570	.000	20.00	.00	.00	.00	.00
A	5	260.00	4570.00	10000.00	.770	.000	20.00	.00	.00	.00	.00
A	6	260.00	4580.00	5000.00	.390	.000	20.00	.00	.00	.00	.00
A	7	260.00	4585.00	2500.00	.300	.000	20.00	.00	.00	.00	.00
A	8	260.00	4587.50	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	9	260.00	4610.00	5000.00	.800	.000	20.00	.00	.00	.00	.00
A	10	260.00	4615.00	5000.00	.930	.000	20.00	.00	.00	.00	.00
A	11	260.00	4620.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	12	262.50	4620.00	2500.00	.200	.000	20.00	.00	.00	.00	.00
A	13	265.00	4560.00	5000.00	.760	.000	20.00	.00	.00	.00	.00
A	14	265.00	4570.00	5000.00	.070	.000	20.00	.00	.00	.00	.00
A	15	265.00	4595.00	5000.00	2.140	.000	20.00	.00	.00	.00	.00
A	16	265.00	4600.00	5000.00	.070	.000	20.00	.00	.00	.00	.00
A	17	265.00	4605.00	5000.00	1.490	.000	20.00	.00	.00	.00	.00
A	18	265.00	4610.00	5000.00	2.710	.000	20.00	.00	.00	.00	.00
A	19	265.00	4615.00	5000.00	.370	.000	20.00	.00	.00	.00	.00
A	20	265.00	4620.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	21	267.50	4620.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	22	270.00	4560.00	10000.00	2.260	.000	20.00	.00	.00	.00	.00
A	23	270.00	4570.00	10000.00	1.500	.000	20.00	.00	.00	.00	.00
A	24	270.00	4580.00	5000.00	.300	.000	20.00	.00	.00	.00	.00
A	25	270.00	4585.00	5000.00	.270	.000	20.00	.00	.00	.00	.00
A	26	270.00	4590.00	5000.00	.860	.000	20.00	.00	.00	.00	.00
A	27	270.00	4595.00	5000.00	2.350	.000	20.00	.00	.00	.00	.00
A	28	270.00	4600.00	5000.00	.620	.000	20.00	.00	.00	.00	.00
A	29	270.00	4605.00	5000.00	.800	.000	20.00	.00	.00	.00	.00
A	30	270.00	4610.00	5000.00	2.830	.000	20.00	.00	.00	.00	.00
A	31	270.00	4615.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	32	270.00	4617.50	2500.00	1.050	.000	20.00	.00	.00	.00	.00
A	33	270.00	4620.00	3000.00	.280	.000	20.00	.00	.00	.00	.00
A	34	270.00	4623.00	2000.00	.060	.000	20.00	.00	.00	.00	.00
A	35	270.00	4625.00	5000.00	.150	.000	20.00	.00	.00	.00	.00
A	36	270.00	4630.00	5000.00	.590	.000	20.00	.00	.00	.00	.00
A	37	270.00	4635.00	10000.00	1.900	.000	20.00	.00	.00	.00	.00
A	38	270.00	4645.00	10000.00	1.980	.000	20.00	.00	.00	.00	.00
A	39	270.00	4655.00	10000.00	1.430	.000	20.00	.00	.00	.00	.00
A	40	272.00	4623.00	2000.00	.060	.000	20.00	.00	.00	.00	.00
A	41	272.50	4615.00	2500.00	.880	.000	20.00	.00	.00	.00	.00
A	42	272.50	4617.50	2500.00	1.900	.000	20.00	.00	.00	.00	.00
A	43	273.00	4620.00	3000.00	5.250	.000	20.00	.00	.00	.00	.00
A	44	274.00	4623.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	45	275.00	4583.00	2000.00	.380	.000	20.00	.00	.00	.00	.00
A	46	275.00	4585.00	2500.00	1.520	.000	20.00	.00	.00	.00	.00
A	47	275.00	4590.00	5000.00	.560	.000	20.00	.00	.00	.00	.00
A	48	275.00	4595.00	5000.00	.610	.000	20.00	.00	.00	.00	.00
A	49	275.00	4600.00	2000.00	.190	.000	20.00	.00	.00	.00	.00
A	50	275.00	4603.00	2000.00	.200	.000	20.00	.00	.00	.00	.00
A	51	275.00	4605.00	3000.00	.240	.000	20.00	.00	.00	.00	.00
A	52	275.00	4608.00	2000.00	.380	.000	20.00	.00	.00	.00	.00

CDMI VERSION 76130, RUN 10

SOURCE INPUT ID		X(KM)	Y(KM)	H(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	53	275.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	54	275.00	4611.00	1000.00	.730	.000	20.00	.00	.00	.00	.00
A	55	275.00	4612.00	1000.00	1.090	.000	20.00	.00	.00	.00	.00
A	56	275.00	4613.00	1000.00	.940	.000	20.00	.00	.00	.00	.00
A	57	275.00	4614.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	58	275.00	4615.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	59	275.00	4616.00	1000.00	.610	.000	20.00	.00	.00	.00	.00
A	60	275.00	4617.00	3000.00	3.350	.000	20.00	.00	.00	.00	.00
A	61	275.00	4625.00	5000.00	.930	.000	20.00	.00	.00	.00	.00
A	62	275.00	4630.00	5000.00	.150	.000	20.00	.00	.00	.00	.00
A	63	276.00	4582.00	1000.00	.560	.000	20.00	.00	.00	.00	.00
A	64	276.00	4610.00	1000.00	.170	.000	20.00	.00	.00	.00	.00
A	65	276.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	66	276.00	4612.00	1000.00	.820	.000	20.00	.00	.00	.00	.00
A	67	276.00	4613.00	1000.00	.820	.000	20.00	.00	.00	.00	.00
A	68	276.00	4614.00	1000.00	1.310	.000	20.00	.00	.00	.00	.00
A	69	276.00	4615.00	1000.00	1.650	.000	20.00	.00	.00	.00	.00
A	70	276.00	4616.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	71	276.00	4620.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	72	276.00	4621.00	2000.00	2.980	.000	20.00	.00	.00	.00	.00
A	73	276.00	4623.00	2000.00	.390	.000	20.00	.00	.00	.00	.00
A	74	277.00	4583.00	1000.00	1.040	.000	20.00	.00	.00	.00	.00
A	75	277.00	4584.00	1000.00	.850	.000	20.00	.00	.00	.00	.00
A	76	277.00	4600.00	5000.00	.430	.000	20.00	.00	.00	.00	.00
A	77	277.00	4603.00	1000.00	.190	.000	20.00	.00	.00	.00	.00
A	78	277.00	4604.00	1000.00	.490	.000	20.00	.00	.00	.00	.00
A	79	277.00	4608.00	2000.00	1.310	.000	20.00	.00	.00	.00	.00
A	80	277.00	4610.00	1000.00	.430	.000	20.00	.00	.00	.00	.00
A	81	277.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	82	277.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	83	277.00	4613.00	1000.00	.870	.000	20.00	.00	.00	.00	.00
A	84	277.00	4614.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	85	277.00	4615.00	1000.00	1.700	.000	20.00	.00	.00	.00	.00
A	86	277.00	4616.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	87	277.00	4620.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	88	277.50	4585.00	2500.00	2.370	.000	20.00	.00	.00	.00	.00
A	89	277.50	4587.50	2500.00	.210	.000	20.00	.00	.00	.00	.00
A	90	278.00	4582.00	1000.00	.510	.000	20.00	.00	.00	.00	.00
A	91	278.00	4583.00	1000.00	5.770	.000	20.00	.00	.00	.00	.00
A	92	278.00	4604.00	2000.00	2.740	.000	20.00	.00	.00	.00	.00
A	93	278.00	4606.00	2000.00	2.790	.000	20.00	.00	.00	.00	.00
A	94	278.00	4610.00	1000.00	.620	.000	20.00	.00	.00	.00	.00
A	95	278.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	96	278.00	4612.00	1000.00	.620	.000	20.00	.00	.00	.00	.00
A	97	278.00	4613.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	98	278.00	4614.00	1000.00	1.230	.000	20.00	.00	.00	.00	.00
A	99	278.00	4615.00	1000.00	.630	.000	20.00	.00	.00	.00	.00
A	100	278.00	4616.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	101	278.00	4617.00	1000.00	.170	.000	20.00	.00	.00	.00	.00
A	102	278.00	4618.00	1000.00	2.170	.000	20.00	.00	.00	.00	.00
A	103	278.00	4619.00	1000.00	2.040	.000	20.00	.00	.00	.00	.00

CDMI VERSION /0130. RUN 10

SOURCE	INPUT ID	X(KM)	Y(KM)	TA(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	104	278.00	4620.00	1000.00	.870	.000	20.00	.00	.00	.00	.00
A	105	278.00	4621.00	1000.00	.270	.000	20.00	.00	.00	.00	.00
A	106	278.00	4622.00	1000.00	.490	.000	20.00	.00	.00	.00	.00
A	107	278.00	4623.00	2000.00	.540	.000	20.00	.00	.00	.00	.00
A	108	279.00	4582.00	1000.00	.200	.000	20.00	.00	.00	.00	.00
A	109	279.00	4584.00	1000.00	.560	.000	20.00	.00	.00	.00	.00
A	110	279.00	4603.00	1000.00	1.930	.000	20.00	.00	.00	.00	.00
A	111	279.00	4604.00	2000.00	3.100	.000	20.00	.00	.00	.00	.00
A	112	279.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	113	279.00	4611.00	1000.00	.770	.000	20.00	.00	.00	.00	.00
A	114	279.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	115	279.00	4613.00	1000.00	.360	.000	20.00	.00	.00	.00	.00
A	116	279.00	4614.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	117	279.00	4615.00	1000.00	1.130	.000	20.00	.00	.00	.00	.00
A	118	279.00	4616.00	1000.00	.980	.000	20.00	.00	.00	.00	.00
A	119	279.00	4617.00	1000.00	.690	.000	20.00	.00	.00	.00	.00
A	120	279.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	121	279.00	4619.00	1000.00	1.280	.000	20.00	.00	.00	.00	.00
A	122	279.00	4620.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	123	279.00	4621.00	1000.00	.790	.000	20.00	.00	.00	.00	.00
A	124	279.00	4622.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	125	280.00	4560.00	10000.00	1.060	.000	20.00	.00	.00	.00	.00
A	126	280.00	4570.00	10000.00	.890	.000	20.00	.00	.00	.00	.00
A	127	280.00	4580.00	10000.00	.410	.000	20.00	.00	.00	.00	.00
A	128	280.00	4590.00	10000.00	1.750	.000	20.00	.00	.00	.00	.00
A	129	280.00	4600.00	5000.00	5.180	.000	20.00	.00	.00	.00	.00
A	130	280.00	4605.00	1000.00	.550	.000	20.00	.00	.00	.00	.00
A	131	280.00	4606.00	2000.00	5.730	.000	20.00	.00	.00	.00	.00
A	132	280.00	4610.00	1000.00	.570	.000	20.00	.00	.00	.00	.00
A	133	280.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	134	280.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	135	280.00	4613.00	1000.00	1.980	.000	20.00	.00	.00	.00	.00
A	136	280.00	4614.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	137	280.00	4615.00	1000.00	.900	.000	20.00	.00	.00	.00	.00
A	138	280.00	4616.00	1000.00	1.390	.000	20.00	.00	.00	.00	.00
A	139	280.00	4617.00	1000.00	.640	.000	20.00	.00	.00	.00	.00
A	140	280.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	141	280.00	4619.00	1000.00	2.990	.000	20.00	.00	.00	.00	.00
A	142	280.00	4620.00	1000.00	.760	.000	20.00	.00	.00	.00	.00
A	143	280.00	4621.00	1000.00	2.180	.000	20.00	.00	.00	.00	.00
A	144	280.00	4622.00	1000.00	1.670	.000	20.00	.00	.00	.00	.00
A	145	280.00	4623.00	1000.00	.380	.000	20.00	.00	.00	.00	.00
A	146	280.00	4624.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A	147	280.00	4625.00	5000.00	2.670	.000	20.00	.00	.00	.00	.00
A	148	280.00	4630.00	5000.00	.910	.000	20.00	.00	.00	.00	.00
A	149	280.00	4635.00	10000.00	1.690	.000	20.00	.00	.00	.00	.00
A	150	280.00	4645.00	10000.00	1.780	.000	20.00	.00	.00	.00	.00
A	151	280.00	4655.00	10000.00	1.060	.000	20.00	.00	.00	.00	.00
A	152	281.00	4605.00	1000.00	1.400	.000	20.00	.00	.00	.00	.00
A	153	281.00	4608.00	2000.00	6.660	.000	20.00	.00	.00	.00	.00
A	154	281.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00

SOURCE INPUT

A	185	281.00	4611.00	1000.00	.330	.000	20.00	.00	.00	.00	.00
A	186	281.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	187	281.00	4613.00	1000.00	.780	.000	20.00	.00	.00	.00	.00
A	188	281.00	4614.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	189	281.00	4615.00	1000.00	1.170	.000	20.00	.00	.00	.00	.00
A	190	281.00	4616.00	1000.00	.830	.000	20.00	.00	.00	.00	.00
A	191	281.00	4617.00	1000.00	1.110	.000	20.00	.00	.00	.00	.00
A	192	281.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	193	281.00	4619.00	1000.00	.900	.000	20.00	.00	.00	.00	.00
A	194	281.00	4620.00	1000.00	1.870	.000	20.00	.00	.00	.00	.00
A	195	281.00	4621.00	1000.00	.430	.000	20.00	.00	.00	.00	.00
A	196	281.00	4622.00	1000.00	1.140	.000	20.00	.00	.00	.00	.00
A	197	281.00	4623.00	1000.00	.290	.000	20.00	.00	.00	.00	.00
A	198	281.00	4624.00	1000.00	1.530	.000	20.00	.00	.00	.00	.00
A	199	282.00	4605.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	170	282.00	4606.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	171	282.00	4607.00	1000.00	1.280	.000	20.00	.00	.00	.00	.00
A	172	282.00	4610.00	1000.00	1.600	.000	20.00	.00	.00	.00	.00
A	173	282.00	4611.00	1000.00	.040	.000	20.00	.00	.00	.00	.00
A	174	282.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	175	282.00	4613.00	1000.00	1.650	.000	20.00	.00	.00	.00	.00
A	176	282.00	4614.00	1000.00	1.150	.000	20.00	.00	.00	.00	.00
A	177	282.00	4615.00	1000.00	1.420	.000	20.00	.00	.00	.00	.00
A	178	282.00	4616.00	1000.00	2.410	.000	20.00	.00	.00	.00	.00
A	179	282.00	4617.00	1000.00	2.270	.000	20.00	.00	.00	.00	.00
A	180	282.00	4618.00	1000.00	2.300	.000	20.00	.00	.00	.00	.00
A	181	282.00	4619.00	1000.00	1.830	.000	20.00	.00	.00	.00	.00
A	182	282.00	4620.00	1000.00	1.570	.000	20.00	.00	.00	.00	.00
A	183	282.00	4621.00	1000.00	.870	.000	20.00	.00	.00	.00	.00
A	184	282.00	4622.00	1000.00	1.420	.000	20.00	.00	.00	.00	.00
A	185	282.00	4623.00	2000.00	.380	.000	20.00	.00	.00	.00	.00
A	186	283.00	4606.00	2000.00	.400	.000	20.00	.00	.00	.00	.00
A	187	283.00	4607.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	188	283.00	4608.00	2000.00	3.380	.000	20.00	.00	.00	.00	.00
A	189	283.00	4610.00	1000.00	.430	.000	20.00	.00	.00	.00	.00
A	190	283.00	4611.00	1000.00	2.000	.000	20.00	.00	.00	.00	.00
A	191	283.00	4612.00	1000.00	.480	.000	20.00	.00	.00	.00	.00
A	192	283.00	4613.00	1000.00	.620	.000	20.00	.00	.00	.00	.00
A	193	283.00	4614.00	1000.00	1.950	.000	20.00	.00	.00	.00	.00
A	194	283.00	4615.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	195	283.00	4616.00	1000.00	2.240	.000	20.00	.00	.00	.00	.00
A	196	283.00	4617.00	1000.00	1.740	.000	20.00	.00	.00	.00	.00
A	197	283.00	4618.00	1000.00	2.900	.000	20.00	.00	.00	.00	.00
A	198	283.00	4619.00	1000.00	3.430	.000	20.00	.00	.00	.00	.00
A	199	283.00	4620.00	1000.00	2.450	.000	20.00	.00	.00	.00	.00
A	200	283.00	4621.00	1000.00	1.210	.000	20.00	.00	.00	.00	.00
A	201	283.00	4622.00	1000.00	1.410	.000	20.00	.00	.00	.00	.00
A	202	284.00	4610.00	1000.00	1.480	.000	20.00	.00	.00	.00	.00
A	203	284.00	4611.00	1000.00	2.670	.000	20.00	.00	.00	.00	.00
A	204	284.00	4612.00	1000.00	1.090	.000	20.00	.00	.00	.00	.00
A	205	284.00	4613.00	1000.00	.940	.000	20.00	.00	.00	.00	.00

COMI VERSION (0130) RUN 10

SOURCE ID	INPUT	X(KM)	Y(KM)	TA(K)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	206	284.00	4614.00	1000.00	4.150	.000	20.00	.00	.00	.00	.00
A	207	284.00	4615.00	1000.00	2.770	.000	20.00	.00	.00	.00	.00
A	208	284.00	4616.00	1000.00	1.550	.000	20.00	.00	.00	.00	.00
A	209	284.00	4617.00	1000.00	2.280	.000	20.00	.00	.00	.00	.00
A	210	284.00	4618.00	1000.00	1.470	.000	20.00	.00	.00	.00	.00
A	211	284.00	4619.00	1000.00	.020	.000	20.00	.00	.00	.00	.00
A	212	284.00	4620.00	1000.00	1.200	.000	20.00	.00	.00	.00	.00
A	213	284.00	4621.00	2000.00	2.360	.000	20.00	.00	.00	.00	.00
A	214	284.00	4623.00	1000.00	1.110	.000	20.00	.00	.00	.00	.00
A	215	284.00	4624.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A	216	285.00	4607.00	1000.00	.650	.000	20.00	.00	.00	.00	.00
A	217	285.00	4608.00	2000.00	2.080	.000	20.00	.00	.00	.00	.00
A	218	285.00	4610.00	1000.00	1.040	.000	20.00	.00	.00	.00	.00
A	219	285.00	4611.00	1000.00	1.420	.000	20.00	.00	.00	.00	.00
A	220	285.00	4612.00	1000.00	1.840	.000	20.00	.00	.00	.00	.00
A	221	285.00	4613.00	1000.00	4.100	.000	20.00	.00	.00	.00	.00
A	222	285.00	4614.00	1000.00	3.720	.000	20.00	.00	.00	.00	.00
A	223	285.00	4615.00	1000.00	1.750	.000	20.00	.00	.00	.00	.00
A	224	285.00	4616.00	1000.00	1.420	.000	20.00	.00	.00	.00	.00
A	225	285.00	4617.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	226	285.00	4618.00	1000.00	4.340	.000	20.00	.00	.00	.00	.00
A	227	285.00	4619.00	1000.00	4.900	.000	20.00	.00	.00	.00	.00
A	228	285.00	4620.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	229	285.00	4623.00	1000.00	.240	.000	20.00	.00	.00	.00	.00
A	230	285.00	4624.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A	231	285.00	4625.00	5000.00	2.290	.000	20.00	.00	.00	.00	.00
A	232	285.00	4630.00	5000.00	.750	.000	20.00	.00	.00	.00	.00
A	233	286.00	4605.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	234	286.00	4607.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A	235	286.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	236	286.00	4611.00	1000.00	3.970	.000	20.00	.00	.00	.00	.00
A	237	286.00	4612.00	1000.00	1.050	.000	20.00	.00	.00	.00	.00
A	238	286.00	4613.00	1000.00	5.120	.000	20.00	.00	.00	.00	.00
A	239	286.00	4614.00	1000.00	4.330	.000	20.00	.00	.00	.00	.00
A	240	286.00	4615.00	1000.00	2.580	.000	20.00	.00	.00	.00	.00
A	241	286.00	4616.00	1000.00	2.800	.000	20.00	.00	.00	.00	.00
A	242	286.00	4617.00	1000.00	1.190	.000	20.00	.00	.00	.00	.00
A	243	286.00	4618.00	1000.00	2.160	.000	20.00	.00	.00	.00	.00
A	244	286.00	4619.00	1000.00	2.600	.000	20.00	.00	.00	.00	.00
A	245	286.00	4620.00	1000.00	1.140	.000	20.00	.00	.00	.00	.00
A	246	286.00	4621.00	2000.00	2.440	.000	20.00	.00	.00	.00	.00
A	247	286.00	4623.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	248	287.00	4608.00	2000.00	1.600	.000	20.00	.00	.00	.00	.00
A	249	287.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	250	287.00	4611.00	1000.00	3.410	.000	20.00	.00	.00	.00	.00
A	251	287.00	4612.00	1000.00	2.430	.000	20.00	.00	.00	.00	.00
A	252	287.00	4613.00	1000.00	1.820	.000	20.00	.00	.00	.00	.00
A	253	287.00	4614.00	1000.00	2.610	.000	20.00	.00	.00	.00	.00
A	254	287.00	4615.00	1000.00	4.070	.000	20.00	.00	.00	.00	.00
A	255	287.00	4616.00	1000.00	5.180	.000	20.00	.00	.00	.00	.00
A	256	287.00	4617.00	1000.00	3.760	.000	20.00	.00	.00	.00	.00

CDMI VERSION 78130. RUN 10

SOURCE INPUT ID	X(KM)	Y(KM)	Z(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A 257	287.00	4614.00	1000.00	1.410	.000	20.00	.00	.00	.00	.00
A 258	287.00	4619.00	1000.00	2.370	.000	20.00	.00	.00	.00	.00
A 259	287.00	4620.00	1000.00	1.190	.000	20.00	.00	.00	.00	.00
A 260	288.00	4605.00	2000.00	.200	.000	20.00	.00	.00	.00	.00
A 261	288.00	4607.00	1000.00	.390	.000	20.00	.00	.00	.00	.00
A 262	288.00	4610.00	1000.00	.470	.000	20.00	.00	.00	.00	.00
A 263	288.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A 264	288.00	4612.00	1000.00	1.400	.000	20.00	.00	.00	.00	.00
A 265	288.00	4613.00	1000.00	.210	.000	20.00	.00	.00	.00	.00
A 266	288.00	4614.00	1000.00	1.720	.000	20.00	.00	.00	.00	.00
A 267	288.00	4615.00	1000.00	4.180	.000	20.00	.00	.00	.00	.00
A 268	288.00	4616.00	1000.00	2.670	.000	20.00	.00	.00	.00	.00
A 269	288.00	4617.00	1000.00	3.870	.000	20.00	.00	.00	.00	.00
A 270	288.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A 271	288.00	4619.00	4000.00	3.100	.000	20.00	.00	.00	.00	.00
A 272	288.00	4623.00	2000.00	.700	.000	20.00	.00	.00	.00	.00
A 273	289.00	4610.00	1000.00	1.630	.000	20.00	.00	.00	.00	.00
A 274	289.00	4611.00	1000.00	1.350	.000	20.00	.00	.00	.00	.00
A 275	289.00	4612.00	1000.00	3.000	.000	20.00	.00	.00	.00	.00
A 276	289.00	4613.00	1000.00	.910	.000	20.00	.00	.00	.00	.00
A 277	289.00	4614.00	1000.00	1.980	.000	20.00	.00	.00	.00	.00
A 278	289.00	4615.00	1000.00	2.200	.000	20.00	.00	.00	.00	.00
A 279	289.00	4616.00	1000.00	3.860	.000	20.00	.00	.00	.00	.00
A 280	289.00	4617.00	1000.00	2.460	.000	20.00	.00	.00	.00	.00
A 281	289.00	4618.00	1000.00	.470	.000	20.00	.00	.00	.00	.00
A 282	290.00	4560.00	10000.00	1.350	.000	20.00	.00	.00	.00	.00
A 283	290.00	4570.00	10000.00	2.640	.000	20.00	.00	.00	.00	.00
A 284	290.00	4580.00	10000.00	1.410	.000	20.00	.00	.00	.00	.00
A 285	290.00	4590.00	10000.00	2.540	.000	20.00	.00	.00	.00	.00
A 286	290.00	4600.00	5000.00	.620	.000	20.00	.00	.00	.00	.00
A 287	290.00	4605.00	2500.00	1.910	.000	20.00	.00	.00	.00	.00
A 288	290.00	4607.50	2500.00	.200	.000	20.00	.00	.00	.00	.00
A 289	290.00	4610.00	1000.00	1.700	.000	20.00	.00	.00	.00	.00
A 290	290.00	4611.00	1000.00	3.660	.000	20.00	.00	.00	.00	.00
A 291	290.00	4612.00	1000.00	3.530	.000	20.00	.00	.00	.00	.00
A 292	290.00	4613.00	1000.00	2.350	.000	20.00	.00	.00	.00	.00
A 293	290.00	4614.00	1000.00	.890	.000	20.00	.00	.00	.00	.00
A 294	290.00	4615.00	1000.00	2.730	.000	20.00	.00	.00	.00	.00
A 295	290.00	4616.00	1000.00	.960	.000	20.00	.00	.00	.00	.00
A 296	290.00	4617.00	1000.00	1.090	.000	20.00	.00	.00	.00	.00
A 297	290.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A 298	290.00	4623.00	2000.00	.420	.000	20.00	.00	.00	.00	.00
A 299	290.00	4625.00	5000.00	1.450	.000	20.00	.00	.00	.00	.00
A 300	290.00	4630.00	5000.00	.430	.000	20.00	.00	.00	.00	.00
A 301	290.00	4635.00	5000.00	.970	.000	20.00	.00	.00	.00	.00
A 302	290.00	4640.00	5000.00	.150	.000	20.00	.00	.00	.00	.00
A 303	290.00	4645.00	10000.00	1.900	.000	20.00	.00	.00	.00	.00
A 304	290.00	4655.00	10000.00	1.320	.000	20.00	.00	.00	.00	.00
A 305	291.00	4610.00	1000.00	.660	.000	20.00	.00	.00	.00	.00
A 306	291.00	4611.00	1000.00	.540	.000	20.00	.00	.00	.00	.00
A 307	291.00	4612.00	1000.00	2.260	.000	20.00	.00	.00	.00	.00

CDMI VERSION /0130. RUN 10

SOURCE	INPUT ID	X(KM)	Y(KM)	T(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A	308	291.00	4613.00	1000.00	1.420	.000	20.00	.00	.00	.00	.00
A	309	291.00	4614.00	1000.00	1.010	.000	20.00	.00	.00	.00	.00
A	310	291.00	4615.00	1000.00	.290	.000	20.00	.00	.00	.00	.00
A	311	291.00	4616.00	1000.00	1.090	.000	20.00	.00	.00	.00	.00
A	312	291.00	4617.00	1000.00	.370	.000	20.00	.00	.00	.00	.00
A	313	291.00	4618.00	1000.00	.170	.000	20.00	.00	.00	.00	.00
A	314	292.00	4610.00	1000.00	.810	.000	20.00	.00	.00	.00	.00
A	315	292.00	4611.00	1000.00	.670	.000	20.00	.00	.00	.00	.00
A	316	292.00	4612.00	1000.00	.760	.000	20.00	.00	.00	.00	.00
A	317	292.00	4613.00	1000.00	1.300	.000	20.00	.00	.00	.00	.00
A	318	292.00	4614.00	1000.00	.360	.000	20.00	.00	.00	.00	.00
A	319	292.00	4615.00	1000.00	1.930	.000	20.00	.00	.00	.00	.00
A	320	292.00	4616.00	1000.00	.720	.000	20.00	.00	.00	.00	.00
A	321	292.00	4617.00	1000.00	1.090	.000	20.00	.00	.00	.00	.00
A	322	292.00	4618.00	1000.00	1.150	.000	20.00	.00	.00	.00	.00
A	323	292.00	4619.00	1000.00	1.280	.000	20.00	.00	.00	.00	.00
A	324	292.00	4620.00	1000.00	.610	.000	20.00	.00	.00	.00	.00
A	325	292.00	4621.00	1000.00	1.540	.000	20.00	.00	.00	.00	.00
A	326	292.00	4622.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	327	292.00	4623.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	328	292.50	4605.00	2500.00	.390	.000	20.00	.00	.00	.00	.00
A	329	292.50	4607.50	2500.00	1.340	.000	20.00	.00	.00	.00	.00
A	330	293.00	4610.00	2000.00	.620	.000	20.00	.00	.00	.00	.00
A	331	293.00	4612.00	1000.00	1.080	.000	20.00	.00	.00	.00	.00
A	332	293.00	4613.00	1000.00	1.120	.000	20.00	.00	.00	.00	.00
A	333	293.00	4614.00	1000.00	.250	.000	20.00	.00	.00	.00	.00
A	334	293.00	4615.00	1000.00	.890	.000	20.00	.00	.00	.00	.00
A	335	293.00	4616.00	2000.00	1.360	.000	20.00	.00	.00	.00	.00
A	336	293.00	4618.00	2000.00	1.090	.000	20.00	.00	.00	.00	.00
A	337	293.00	4620.00	1000.00	1.800	.000	20.00	.00	.00	.00	.00
A	338	293.00	4621.00	1000.00	.290	.000	20.00	.00	.00	.00	.00
A	339	293.00	4622.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	340	294.00	4612.00	1000.00	.540	.000	20.00	.00	.00	.00	.00
A	341	294.00	4613.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	342	294.00	4614.00	1000.00	.270	.000	20.00	.00	.00	.00	.00
A	343	294.00	4615.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	344	294.00	4620.00	1000.00	.620	.000	20.00	.00	.00	.00	.00
A	345	294.00	4621.00	1000.00	1.470	.000	20.00	.00	.00	.00	.00
A	346	294.00	4622.00	1000.00	.610	.000	20.00	.00	.00	.00	.00
A	347	294.00	4623.00	2000.00	.340	.000	20.00	.00	.00	.00	.00
A	348	295.00	4600.00	5000.00	.470	.000	20.00	.00	.00	.00	.00
A	349	295.00	4605.00	2500.00	.910	.000	20.00	.00	.00	.00	.00
A	350	295.00	4607.50	2500.00	.480	.000	20.00	.00	.00	.00	.00
A	351	295.00	4610.00	2500.00	.370	.000	20.00	.00	.00	.00	.00
A	352	295.00	4612.50	2500.00	1.290	.000	20.00	.00	.00	.00	.00
A	353	295.00	4615.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	354	295.00	4617.50	2500.00	.750	.000	20.00	.00	.00	.00	.00
A	355	295.00	4620.00	3000.00	1.060	.000	20.00	.00	.00	.00	.00
A	356	295.00	4625.00	5000.00	1.340	.000	20.00	.00	.00	.00	.00
A	357	295.00	4630.00	5000.00	.780	.000	20.00	.00	.00	.00	.00
A	358	295.00	4635.00	5000.00	.990	.000	20.00	.00	.00	.00	.00

CDMI VERSION 76130. RUN 10

SOURCE INPUT

ID	X(KM)	Y(KM)	TA(K)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG)	SA(M**2/SEC)
A 359	296.00	4640.00	4000.00	2.490	.000	20.00	.00	.00	.00	.00
A 360	296.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 361	296.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 362	297.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 363	297.50	4606.00	2500.00	.210	.000	20.00	.00	.00	.00	.00
A 364	297.50	4610.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A 365	297.50	4612.50	2500.00	1.500	.000	20.00	.00	.00	.00	.00
A 366	297.50	4615.00	2500.00	.300	.000	20.00	.00	.00	.00	.00
A 367	297.50	4617.50	2500.00	.340	.000	20.00	.00	.00	.00	.00
A 368	298.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 369	299.00	4640.00	1000.00	.440	.000	20.00	.00	.00	.00	.00
A 370	299.00	4641.00	1000.00	.940	.000	20.00	.00	.00	.00	.00
A 371	299.00	4642.00	1000.00	.900	.000	20.00	.00	.00	.00	.00
A 372	299.00	4643.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 373	299.00	4644.00	1000.00	.970	.000	20.00	.00	.00	.00	.00
A 374	300.00	4610.00	5000.00	.350	.000	20.00	.00	.00	.00	.00
A 375	300.00	4615.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A 376	300.00	4617.50	2500.00	.370	.000	20.00	.00	.00	.00	.00
A 377	300.00	4635.00	5000.00	1.010	.000	20.00	.00	.00	.00	.00
A 378	300.00	4640.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 379	300.00	4641.00	1000.00	.370	.000	20.00	.00	.00	.00	.00
A 380	300.00	4642.00	1000.00	.750	.000	20.00	.00	.00	.00	.00
A 381	300.00	4643.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 382	300.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 383	300.00	4645.00	2500.00	.350	.000	20.00	.00	.00	.00	.00
A 384	300.00	4647.50	2500.00	1.030	.000	20.00	.00	.00	.00	.00
A 385	300.00	4650.00	5000.00	.590	.000	20.00	.00	.00	.00	.00
A 386	300.00	4655.00	5000.00	1.340	.000	20.00	.00	.00	.00	.00
A 387	300.00	4660.00	5000.00	.150	.000	20.00	.00	.00	.00	.00
A 388	301.00	4640.00	1000.00	.370	.000	20.00	.00	.00	.00	.00
A 389	301.00	4641.00	1000.00	1.760	.000	20.00	.00	.00	.00	.00
A 390	301.00	4642.00	1000.00	.930	.000	20.00	.00	.00	.00	.00
A 391	301.00	4643.00	1000.00	1.130	.000	20.00	.00	.00	.00	.00
A 392	301.00	4644.00	1000.00	1.130	.000	20.00	.00	.00	.00	.00
A 393	302.00	4640.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 394	302.00	4641.00	1000.00	.330	.000	20.00	.00	.00	.00	.00
A 395	302.00	4642.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 396	302.00	4643.00	1000.00	.930	.000	20.00	.00	.00	.00	.00
A 397	302.00	4644.00	1000.00	.520	.000	20.00	.00	.00	.00	.00
A 398	302.50	4615.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A 399	302.50	4645.00	2500.00	.520	.000	20.00	.00	.00	.00	.00
A 400	302.50	4647.50	2500.00	.070	.000	20.00	.00	.00	.00	.00
A 401	303.00	4640.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 402	303.00	4641.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 403	303.00	4642.00	1000.00	.620	.000	20.00	.00	.00	.00	.00
A 404	303.00	4643.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 405	303.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 406	304.00	4640.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 407	304.00	4641.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 408	304.00	4642.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 409	304.00	4643.00	1000.00	.030	.000	20.00	.00	.00	.00	.00

COMI VERSION 75130. RUN 10

SOURCE INPUT

	ID	X(KM)	Y(KM)	TA(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG)	SA(M**2/SEC)
A	410	304.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A	411	305.00	4610.00	5000.00	1.410	.000	20.00	.00	.00	.00	.00
A	412	305.00	4640.00	5000.00	1.240	.000	20.00	.00	.00	.00	.00
A	413	305.00	4645.00	2500.00	.780	.000	20.00	.00	.00	.00	.00
A	414	305.00	4647.50	2500.00	.870	.000	20.00	.00	.00	.00	.00
A	415	305.00	4650.00	5000.00	.150	.000	20.00	.00	.00	.00	.00
A	416	305.00	4655.00	5000.00	.970	.000	20.00	.00	.00	.00	.00
A	417	305.00	4660.00	5000.00	.810	.000	20.00	.00	.00	.00	.00
A	418	307.50	4645.00	2500.00	1.040	.000	20.00	.00	.00	.00	.00
A	419	307.50	4647.50	2500.00	.930	.000	20.00	.00	.00	.00	.00
A	420	310.00	4610.00	5000.00	.830	.000	20.00	.00	.00	.00	.00
A	421	310.00	4645.00	5000.00	.760	.000	20.00	.00	.00	.00	.00
A	422	310.00	4650.00	5000.00	1.130	.000	20.00	.00	.00	.00	.00
A	423.	310.00	4655.00	5000.00	1.510	.000	20.00	.00	.00	.00	.00

422 AREA SOURCE(S). 144 POINT SOURCE(S).

@ADD.P PSBML*SITECALTOL.

CDMT VERSION 75130. RUN 10
(MICROGRAMS PER CUBIC METER)
TOLEDO CALIBRATION

RECEPTOR ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
1	297.00	4616.00	5.94	.00	91.99	.00	97.94	.00	97.94	.00	89	0
2	283.00	4620.00	21.76	.00	15.62	.00	37.38	.00	37.38	.00	74	0
3	290.00	4614.00	20.45	.00	30.88	.00	51.34	.00	51.34	.00	94	0
4	289.00	4615.00	26.03	.00	31.74	.00	57.77	.00	57.77	.00	68	0
5	300.00	4613.00	5.05	.00	15.37	.00	20.43	.00	20.43	.00	41	0
6	304.00	4613.00	1.19	.00	10.86	.00	12.05	.00	12.05	.00	33	0
7	290.00	4618.00	1.18	.00	4.63	.00	5.82	.00	5.82	.00	15	0
8	288.00	4609.00	7.33	.00	16.30	.00	23.63	.00	23.63	.00	15	0
9	289.00	4614.00	20.12	.00	29.93	.00	50.05	.00	50.05	.00	42	0

APPENDIX A

Urban CDM/CSDFP Counties

1985 projections (unregulated CSDFP/CDM results)

CSDFP	CDM
Akron	Akron
Cleveland	Cleveland
Toledo	Toledo

```
@USE 11.,CSFPAP1.

@USE 12.,CSFPAA1.

@USE 9.,AK-OPT.

@USE 10.,AK-PAR.

@SETC,I

@XQT GOMCSFP.CSDFP7-21

@ADD,P AKRONDATA.
 CONTROL VARIABLES - KUNIT,IUNIT,LUNIT,MUNIT,PI,NSIMAT,NL,IST,NREG,AR,IARTWO
  6  5 11 12  0  1  0  0  0  1  0
 GROWTH CONTROL VAR.
  1  1  0  1
 GROWTH CONTROL VAR.
  5  2 1973 0  1   SUMMIT
 AREA SOR. GROWTH
    .041
    .041
 POINT SOR. SICC SPECIFIC GROWTH
    .082    .024    .074    .015    .059
 SICC CODES
 28 29 30 32 34
 FORECAST YEAR(S)
 1980 1985
 PROJECTED COMPLIANCE LEVEL
   0    0.    0.
```

AKRON CSDFP CONTROL

UNREGULATED 1985

UNREGULATED FORECASTS 1980 POINT SOURCES

CDH#	CO.	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	EMISSION LIMITATION (UNITS OF LBS) SO2/1973	UNIT	FUEL HEAT GENERATION RATES, 1980 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1980 PROCESS WEIGHT RATE (LBS/HR)
1	(1)	615.24	478.50	7.77	(1)	628.0	.0	.0	628.0	710.0	.0
2	(1)	398.70	444.10	7.80	(1)	405.3	.0	.0	405.3	511.0	.0
3	(1)	1367.10	806.40	7.76	(1)	1397.9	.0	.0	1397.9	1548.0	.0
4	(1)	228.06	202.10	6.11	(1)	277.7	18.2	.0	295.9	329.0	.0
5	(1)	227.70	196.10	5.98	(1)	283.1	18.7	.0	301.8	329.0	.0
6	(1)	118.80	95.30	5.27	(1)	158.6	20.1	.0	178.7	164.0	.0
7	(1)	104.37	62.50	2.40	(1)	265.0	80.1	.0	345.1	191.0	.0
8	(1)	8.06	5.97	283.28	(3)	.0	.0	.0	.0	.0	451.2
9	(1)	61.95	37.10	2.64	(1)	84.5	101.7	.0	186.2	357.0	.0
10	(1)	255.42	189.20	2.74	(1)	320.8	418.2	.0	738.9	547.0	.0
11	(1)	222.34	164.70	2.65	(1)	300.0	364.5	.0	664.5	547.0	.0
12	(1)	70.38	53.00	4.95	(1)	112.7	.0	.0	112.7	125.0	.0
13	(1)	140.76	48.70	4.78	(1)	233.6	.0	.0	233.6	245.0	.0
14	(1)	107.21	64.20	4.71	(1)	180.5	.0	.0	180.5	220.0	.0
15	(1)	186.16	137.90	3.11	(1)	475.0	.0	.0	475.0	443.0	.0
16	(1)	41.04	33.70	8.09	(1)	40.2	.0	.0	40.2	43.0	.0
17	(1)	41.04	33.70	8.09	(1)	40.2	.0	.0	40.2	43.0	.0
18	(1)	41.04	33.70	8.09	(1)	40.2	.0	.0	40.2	43.0	.0
19	(1)	41.04	33.70	8.09	(1)	40.2	.0	.0	40.2	43.0	.0
20	(1)	14.80	14.80	4.19	(1)	28.0	.0	.0	28.0	196.0	.0
21	(1)	16.90	16.90	4.20	(1)	31.9	.0	.0	31.9	284.0	.0
22	(1)	57.90	57.90	4.16	(1)	110.2	.0	.0	110.2	248.0	.0
23	(1)	75.10	75.10	17.57	(8)	.0	.0	.0	.0	.0	67800.0
24	(1)	50.10	50.10	6.23	(1)	63.8	.0	.0	63.8	115.0	.0
25	(1)	21.70	21.70	22.94	(8)	.0	.0	.0	.0	.0	15000.0
26	(1)	22.14	16.40	3.10	(1)	.0	56.7	.0	56.7	50.0	.0
27	(1)	10.42	6.00	4.46	(1)	18.5	.0	.0	18.5	20.8	.0
28	(1)	10.42	6.00	4.46	(1)	18.5	.0	.0	18.5	20.8	.0
29	(1)	.52	.30	.00	(1)	.0	.0	.0	.0	.0	.0
30	(1)	4.99	3.70	4.08	(1)	9.7	.0	.0	9.7	29.3	.0
31	(1)	6.18	3.70	4.08	(1)	12.0	.0	.0	12.0	29.3	.0
32	(1)	5.18	3.10	.82	(1)	.0	50.1	.0	50.1	114.0	.0
33	(1)	3.44	3.10	.82	(1)	.0	33.3	.0	33.3	114.0	.0
34	(1)	3.11	2.80	.00	(1)	.0	.0	.0	.0	.0	.0
35	(1)	2.00	1.20	.00	(1)	.0	.0	.0	.0	.0	.0
36	(1)	.17	.10	.00	(1)	.0	.0	.0	.0	.0	.0
37	(1)	357.72	303.00	5.00	(1)	567.0	.0	.0	567.0	682.0	.0
38	(1)	381.33	323.00	5.11	(1)	591.8	.0	.0	591.8	682.0	.0
39	(1)	26.00	26.00	5.28	(1)	39.0	.0	.0	39.0	39.0	.0
40	(1)	5.23	3.50	.25	(1)	.0	159.9	.0	159.9	180.0	.0
41	(1)	2.39	1.60	.25	(1)	.0	71.6	.0	71.6	78.0	.0
42	(1)	2.39	1.60	.25	(1)	.0	71.6	.0	71.6	78.0	.0
43	(1)	6.60	6.60	4.43	(1)	11.8	.0	.0	11.8	34.0	.0
44	(1)	6.60	6.60	4.43	(1)	11.8	.0	.0	11.8	21.0	.0
45	(1)	2.20	2.20	.25	(1)	.0	68.5	.0	68.5	80.0	.0

SUM	5371.94	4017.97	6797.1	1533.3	.0	8331.0	9533.2	83251.2

✓

TOT 1973		4017.97	5047.4	1110.5	.0	6197.9	9533.2	83134.2
TOT 1980	5371.94		6797.1	1533.3	.0	8331.0	9533.2	83251.2

SOURCE CATEGORY IDENTIFICATION AND
UNITS OF ALLOWABLE LIMITATION (NUNIT)

(1) - FUEL COMBUSTION (DIRECT HEAT EXCHANGER)(UTILITY AND INDUSTRIAL BOILERS)(LBS OF SO2/MMBTU OF RATED OR MAX. HEAT INPUT)
(2) - SULFURIC ACID PLANT (LBS OF SO2/TON OF 100% ACID PRODUCED)(SICC=2819)
(3) - SULFUR RECOVERY PLANT (LBS OF SULFUR/1000 LBS OF SULFUR PROCESSED)(SICC=2820)
(4) - COKE OVEN GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF COG)(SICC=3313, 3314)
(5) - CATALYTIC CRACKING UNITS (LBS OF SO2 PER 1000 LBS OF CHARGING STOCK)(SICC=2990)
(6) - REFINERY TREATING OPERATIONS (PPM SO2 IN EXHAUST GAS)(SICC=2991)
(7) - REFINERY OFF - GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF ORG)(SICC=2993)
(8) - GENERAL PROCESSES (LBS OF SO2/TON PROCESS WT)
(9) - GENERAL PROCESSES (PPM SO2 IN EXHAUST GAS)(SICC=2001)
(10) - INDUSTRIAL PROCESS FUEL COMBUSTION LIMITATION (LBS OF SO2(MMBTU) IE. (COG OR ORG COMBUSTION FOR REFINERY OR IRON & STEEL BOILERS, FURNACES, SOAKING PITS, PROCESS HEATERS OR FLARES)(SICC=2393)

(11) - NON CATEGORY SOURCES

POLITICAL JURISDICTION (CO.)

(1) SUM

UNREGULATED FORECAST - LOW AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
46	.98	.98	.00	4.00
47	.00	.00	.00	4.00
48	3.81	3.81	.00	4.00
49	.23	.23	.00	4.00
50	.00	.00	.00	4.00
51	.10	.10	.00	4.00
52	4.61	4.61	.00	4.00
53	3.84	3.84	.00	16.00
54	.46	.46	.00	16.00
55	.00	.00	.00	16.00
56	.00	.00	.00	1.00
57	.00	.00	.00	4.00
58	.00	.00	.00	4.00
59	.00	.00	.00	4.00
60	.00	.00	.00	1.00
61	6.33	6.33	.00	25.00
62	9.13	9.13	.00	25.00
63	1.40	1.40	.00	25.00
64	6.72	6.72	.00	25.00
65	4.90	4.90	.00	49.00
66	2.95	2.95	.00	49.00
67	2.80	2.80	.00	16.00
68	.01	.01	.00	16.00
69	.00	.00	.00	1.00
70	.01	.01	.00	4.00
71	4.06	4.06	.00	4.00
72	.76	.76	.00	4.00
73	.01	.01	.00	4.00
74	1.91	1.91	.00	4.00
75	5.51	5.51	.00	16.00
76	2.54	2.54	.00	16.00
77	2.20	2.20	.00	16.00
78	.02	.02	.00	16.00
79	.00	.00	.00	1.00
80	2.09	2.09	.00	16.00
81	.01	.01	.00	4.00
82	.00	.00	.00	1.00
83	.00	.00	.00	1.00
84	.00	.00	.00	1.00
85	8.05	8.05	.00	4.00
86	2.40	2.40	.00	4.00
87	4.17	4.17	.00	4.00
88	4.28	4.28	.00	4.00
89	.00	.00	.00	1.00
90	.39	.39	.00	4.00
91	4.87	4.87	.00	4.00
92	3.66	3.66	.00	4.00

68<

13 1 A

93 10 54 10 54 CC 1.00

UNREGULATED FORECASTS 1990 AREA SOURCES

CDM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1990	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
94	.01	.01	.00	4.00
95	.01	.01	.00	4.00
96	.01	.01	.00	4.00
97	1.63	1.63	.00	4.00
98	.01	.01	.00	4.00
99	6.25	6.25	.00	4.00
100	9.19	9.19	.00	16.00
101	.02	.02	.00	16.00
102	.01	.01	.00	4.00
103	2.74	2.74	.00	16.00
104	7.57	7.57	.00	4.00
105	16.50	16.50	.00	4.00
106	6.61	6.61	.00	4.00
107	.01	.01	.00	4.00
108	1.49	1.49	.00	4.00
109	1.92	1.92	.00	4.00
110	4.01	4.01	.00	4.00
111	6.18	6.18	.00	4.00
112	3.23	3.23	.00	4.00
113	.61	.61	.00	4.00
114	.01	.01	.00	4.00
115	6.85	6.85	.00	4.00
116	2.08	2.08	.00	1.00
117	.00	.00	.00	1.00
118	9.30	9.30	.00	4.00
119	16.60	16.60	.00	4.00
120	11.81	11.81	.00	4.00
121	9.40	9.40	.00	4.00
122	9.17	9.17	.00	4.00
123	5.29	5.29	.00	16.00
124	1.36	1.36	.00	16.00
125	3.28	3.28	.00	4.00
126	1.23	1.23	.00	1.00
127	6.89	6.89	.00	1.00
128	13.02	13.02	.00	49.00
129	1.97	1.97	.00	4.00
130	4.50	4.50	.00	4.00
131	.82	.82	.00	1.00
132	5.02	5.02	.00	1.00
133	5.54	5.54	.00	1.00
134	3.65	3.65	.00	1.00
135	4.38	4.38	.00	1.00
136	2.67	2.67	.00	1.00
137	5.60	5.60	.00	1.00
138	4.22	4.22	.00	1.00
139	9.72	9.72	.00	4.00
140	2.92	2.92	.00	4.00

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UNREGULATED [illegible]

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
142	2.04	2.04	.00	1.00
143	.00	.00	.00	1.00
144	2.20	2.20	.00	1.00
145	4.45	4.45	.00	1.00
146	5.21	5.21	.00	1.00
147	5.28	5.28	.00	1.00
148	7.84	7.84	.00	1.00
149	7.41	7.41	.00	1.00
150	3.10	3.10	.00	4.00
151	1.35	1.35	.00	4.00
152	4.14	4.14	.00	1.00
153	.18	.18	.00	1.00
154	5.24	5.24	.00	1.00
155	5.48	5.48	.00	1.00
156	1.53	1.53	.00	1.00
157	3.53	3.53	.00	1.00
158	4.93	4.93	.00	1.00
159	.00	.00	.00	1.00
160	.00	.00	.00	1.00
161	.00	.00	.00	1.00
162	3.03	3.03	.00	4.00
163	2.10	2.10	.00	4.00
164	1.19	1.19	.00	4.00
165	1.00	1.00	.00	16.00
166	4.20	4.20	.00	4.00
167	5.04	5.04	.00	1.00
168	3.83	3.83	.00	1.00
169	7.08	7.08	.00	1.00
170	4.87	4.87	.00	1.00
171	4.70	4.70	.00	1.00
172	1.51	1.51	.00	1.00
173	4.04	4.04	.00	1.00
174	2.32	2.32	.00	1.00
175	7.03	7.08	.00	1.00
176	3.19	3.19	.00	1.00
177	3.04	3.04	.00	4.00
178	.66	.66	.00	4.00
179	3.66	3.66	.00	1.00
180	5.97	5.97	.00	1.00
181	4.44	4.44	.00	1.00
182	3.93	3.93	.00	1.00
183	3.56	3.56	.00	1.00
184	4.59	4.59	.00	1.00
185	2.61	2.61	.00	1.00
186	5.31	5.31	.00	1.00
187	4.81	4.81	.00	1.00
188	7.64	7.64	.00	1.00

189	1.37	1.37	.00	1.00

UNREGULATED EMISSIONS 1980 AREA SOURCES

CDM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	EMISSIONS (GRAMS/SEC) SO2 1973	POTENTIAL CONTROL SO2	CELL AREA (KM**2)
190	3.21	3.21	.00	1.00
191	3.55	3.55	.00	1.00
192	1.05	1.05	.00	1.00
193	.01	.01	.00	4.00
194	3.01	3.01	.00	4.00
195	3.36	3.36	.00	1.00
196	5.34	5.34	.00	1.00
197	7.00	7.00	.00	1.00
198	4.09	4.09	.00	1.00
199	5.59	5.59	.00	1.00
200	5.53	5.53	.00	1.00
201	1.67	1.67	.00	1.00
202	4.22	4.22	.00	1.00
203	2.67	2.67	.00	1.00
204	4.51	4.51	.00	1.00
205	4.23	4.23	.00	1.00
206	7.48	7.48	.00	1.00
207	2.75	2.75	.00	1.00
208	5.06	5.06	.00	1.00
209	3.51	3.51	.00	4.00
210	4.79	4.79	.00	4.00
211	1.73	1.73	.00	1.00
212	1.77	1.77	.00	1.00
213	1.97	1.97	.00	1.00
214	5.11	5.11	.00	1.00
215	4.35	4.35	.00	1.00
216	2.70	2.70	.00	1.00
217	4.38	4.38	.00	4.00
218	5.40	5.40	.00	4.00
219	15.07	15.07	.00	4.00
220	3.14	3.14	.00	1.00
221	7.57	7.57	.00	1.00
222	4.55	4.55	.00	4.00
223	5.49	5.49	.00	10.00
224	.03	.03	.00	25.00
225	9.51	9.51	.00	25.00
226	6.26	6.26	.00	4.00
227	4.62	4.62	.00	4.00
228	6.23	6.23	.00	1.00
229	2.76	2.76	.00	1.00
230	1.44	1.44	.00	1.00
231	4.12	4.12	.00	1.00
2	.01	.01	.00	4.00
2	1.44	1.44	.00	4.00
236	5.49	5.49	.00	1.00

71<

235	1.32	1.32	.00	1.00
236	5.02	5.02	.00	1.00

	2.33	2.33	.00	4.00

UNREGULATED FORECASTS [illegible]

CDM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	[illegible] EMISSIONS (GRAMS/SEC) SO2 1973	[illegible] COMMERCIAL SO2	[illegible] AREA [illegible]
238	4.93	4.93	.00	4.00
239	3.61	3.61	.00	4.00
240	9.68	9.68	.00	4.00
241	7.85	7.85	.00	4.00
242	10.37	10.37	.00	4.00
243	2.33	2.33	.00	1.00
244	.00	.00	.00	1.00
245	3.52	3.52	.00	4.00
246	4.07	4.07	.00	4.00
247	16.82	16.82	.00	16.00
248	6.97	6.97	.00	16.00
249	4.91	4.91	.00	4.00
250	9.55	9.55	.00	4.00
251	6.25	6.25	.00	16.00
252	5.96	5.96	.00	4.00
253	5.70	5.70	.00	4.00
254	.00	.00	.00	1.00
255	.72	.72	.00	4.00
256	1.98	1.98	.00	4.00
257	.73	.73	.00	4.00
258	.01	.01	.00	4.00
259	.00	.00	.00	1.00
260	1.89	1.89	.00	1.00
261	3.45	3.45	.00	1.00
262	2.10	2.10	.00	1.00
263	.00	.00	.00	1.00
264	.00	.00	.00	9.00
265	2.57	2.57	.00	16.00
266	1.62	1.62	.00	16.00
267	4.61	4.61	.00	16.00
268	2.80	2.80	.00	9.00
269	6.61	6.61	.00	9.00
270	.00	.00	.00	4.00
271	.00	.00	.00	1.00
272	.00	.00	.00	1.00
273	.00	.00	.00	1.00
274	2.07	2.07	.00	1.00
275	.00	.00	.00	1.00
276	.00	.00	.00	1.00
277	.00	.00	.00	1.00
278	.00	.00	.00	1.00
279	1.63	1.63	.00	4.00
280	11.96	11.96	.00	4.00
281	2.34	2.34	.00	4.00
282	.47	.47	.00	4.00
283	.15	.15	.00	1.00

72<

284 0.00 0.00 0.00 25.00

285	1.88	1.88	.00	25.00

UNREGULATED FORECAST LAND AREA SOURCES

CDM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	INCREMENTAL CONSUMPTION SO2	LAND AREA (SQ MI)
286	.70	.70	.00	25.00
287	.00	.00	.00	1.00
288	1.36	1.36	.00	4.00
289	1.42	1.42	.00	4.00
290	1.45	1.45	.00	4.00
291	.94	.94	.00	16.00
292	.00	.00	.00	4.00
293	.00	.00	.00	4.00
294	.86	.86	.00	4.00
295	.00	.00	.00	16.00
296	2.39	2.39	.00	16.00
297	.00	.00	.00	16.00
298	2.33	2.33	.00	16.00
299	.00	.00	.00	4.00
300	3.76	3.76	.00	4.00
301	.00	.00	.00	4.00
302	.00	.00	.00	4.00
303	.47	.47	.00	4.00
304	5.30	5.30	.00	4.00
305	.00	.00	.00	4.00
306	1.24	1.24	.00	4.00
307	.00	.00	.00	16.00
308	1.47	1.47	.00	16.00
309	.00	.00	.00	16.00
310	3.04	3.04	.00	16.00
311	.44	.44	.00	4.00
312	5.50	5.50	.00	4.00
313	1.86	1.86	.00	4.00
314	.00	.00	.00	4.00
315	.33	.33	.00	4.00
316	.00	.00	.00	4.00
317	.00	.00	.00	4.00
318	.00	.00	.00	4.00
SUM	889.55	889.55	.00	1500.00
TOT 1973		889.55		
TOT 1980	889.55		.00	1500.00

AKRON

UNREGULATED FORECASTS FOR POINT SOURCES

CDN#	CO.	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1973	ALLOCATION (UNITS OF 1000) SO2/1973	CODE	FUEL HEAT GENERATION RATES, 1985 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
1	(1)	615.24	474.50	7.77	(1)	628.0	.0	.0	628.0	710.0	.0
2	(1)	393.70	344.10	7.80	(1)	405.3	.0	.0	405.3	511.0	.0
3	(1)	1367.10	806.90	7.76	(1)	1397.9	.0	.0	1397.9	1548.0	.0
4	(1)	228.06	202.10	6.11	(1)	277.7	18.2	.0	295.9	329.0	.0
5	(1)	227.70	196.10	5.99	(1)	283.1	18.7	.0	301.8	329.0	.0
6	(1)	118.80	95.30	5.27	(1)	158.6	20.1	.0	178.7	164.0	.0
7	(1)	132.30	82.50	2.49	(1)	335.9	101.5	.0	437.4	191.0	.0
8	(1)	8.05	5.97	283.29	(3)	.0	.0	.0	.0	.0	451.2
9	(1)	80.10	37.10	2.84	(1)	109.2	131.5	.0	240.7	357.0	.0
10	(1)	255.42	149.20	2.74	(1)	320.5	418.2	.0	738.9	547.0	.0
11	(1)	222.34	164.70	2.53	(1)	300.0	364.5	.0	664.5	547.0	.0
12	(1)	70.34	53.00	4.35	(1)	112.7	.0	.0	112.7	125.0	.0
13	(1)	140.76	88.70	4.74	(1)	233.6	.0	.0	233.6	245.0	.0
14	(1)	126.45	64.20	4.71	(1)	212.9	.0	.0	212.9	220.0	.0
15	(1)	186.16	137.30	3.11	(1)	475.0	.0	.0	475.0	443.0	.0
16	(1)	41.04	33.70	8.09	(1)	40.2	.0	.0	40.2	43.0	.0
17	(1)	41.04	33.70	8.09	(1)	40.2	.0	.0	40.2	43.0	.0
18	(1)	41.04	33.70	8.09	(1)	40.2	.0	.0	40.2	43.0	.0
19	(1)	41.04	33.70	8.09	(1)	40.2	.0	.0	40.2	43.0	.0
20	(1)	14.80	14.80	4.19	(1)	28.0	.0	.0	28.0	196.0	.0
21	(1)	16.90	16.90	4.20	(1)	31.9	.0	.0	31.9	284.0	.0
22	(1)	57.90	57.90	4.16	(1)	110.2	.0	.0	110.2	248.0	.0
23	(1)	75.10	75.10	17.57	(8)	.0	.0	.0	.0	.0	67800.0
24	(1)	50.10	50.10	6.23	(1)	63.8	.0	.0	63.8	115.0	.0
25	(1)	21.70	21.70	22.94	(8)	.0	.0	.0	.0	.0	15000.0
26	(1)	22.14	16.40	3.10	(1)	.0	56.7	.0	56.7	50.0	.0
27	(1)	10.80	6.00	4.46	(1)	19.2	.0	.0	19.2	20.8	.0
28	(1)	10.80	6.00	4.46	(1)	19.2	.0	.0	19.2	20.8	.0
29	(1)	.77	.30	.00	(1)	.0	.0	.0	.0	.0	.0
30	(1)	4.99	3.70	4.04	(1)	9.7	.0	.0	9.7	29.3	.0
31	(1)	9.91	3.70	4.08	(1)	17.3	.0	.0	17.3	29.3	.0
32	(1)	7.47	3.10	.82	(1)	.0	72.3	.0	72.3	114.0	.0
33	(1)	3.71	3.10	.82	(1)	.0	35.9	.0	35.9	114.0	.0
34	(1)	3.35	2.20	.00	(1)	.0	.0	.0	.0	.0	.0
35	(1)	2.89	1.20	.00	(1)	.0	.0	.0	.0	.0	.0
36	(1)	.24	.10	.00	(1)	.0	.0	.0	.0	.0	.0
37	(1)	395.10	304.00	5.09	(1)	626.2	.0	.0	626.2	682.0	.0
38	(1)	395.10	424.00	5.11	(1)	613.2	.0	.0	613.2	682.0	.0
39	(1)	26.00	26.00	5.24	(1)	39.0	.0	.0	39.0	39.0	.0
40	(1)	5.94	1.50	.26	(1)	.0	181.7	.0	181.7	180.0	.0
41	(1)	3.18	1.60	.28	(1)	.0	95.4	.0	95.4	78.0	.0
42	(1)	3.18	1.60	.28	(1)	.0	95.4	.0	95.4	78.0	.0
43	(1)	6.60	6.60	4.04	(1)	11.8	.0	.0	11.8	34.0	.0
44	(1)	6.60	6.60	4.04	(1)	11.8	.0	.0	11.8	21.0	.0
45	(1)	2.20	2.20	.29	(1)	.0	68.5	.0	68.5	80.0	.0

74<

SUM	5498.22	4017.97	7013.0	1678.6	.0	8691.6	9533.2	83251.2

TOT 1973		4017.97	5067.4	1110.5	.0	6197.9	9533.2	83134.2
TOT 1985	5498.22		7013.0	1678.6	.0	8691.6	9533.2	83251.2

SOURCE CATEGORY IDENTIFICATION

UNITS OF ALLOWABLE EMISSIONS (CODE)

(1) - FUEL COMBUSTION (DIRECT HEAT EXCHANGE) (UTILITY AND INDUSTRIAL BOILERS) (LBS OF SO2/MMBTU OF RATED OR MAX. HEAT INPUT)
(2) - SULFURIC ACID PLANT (LBS OF SO2/TON OF 100% ACID PRODUCED) (SICC=2819)
(3) - SULFUR RECOVERY PLANT (LBS OF SO2/1000 LBS OF SULFUR PROCESSED) (SICC=2820)
(4) - COKE OVEN GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF COG) (SICC=3313, 3314)
(5) - CATALYTIC CRACKING UNITS (LBS OF SO2 PER 1000 LBS OF CHARGING STOCK) (SICC=2990)
(6) - REFINERY FUEL GAS COMBUSTION (EXCLUDING FLARES) (GRAINS OF H2S/DRY STD. CUBIC FEET OF NATURAL GAS) (SICC=2991)
(7) - REFINERY OFF - GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF OMG) (SICC=2993)
(8) - GENERAL PROCESSES (LBS OF SO2/TON PROCESS WT)
(9) - GENERAL PROCESSES (FOR SO2 IN FUEL GAS) (SICC=2001)
(10) - INDUSTRIAL PROCESS FUEL COMBUSTION LIMITATION (LBS OF SO2(MMBTU) IE. (COG OR OMG COMBUSTION FOR REFINERY OR IRON & STEEL BOILERS, FURNACES, SOAKING PITS, PROCESS HEATERS OR FLARES) (SICC=2393)

(11) - NON CATEGORY SOURCES

POLITICAL JURISDICTION (CO.)

(1) SIP

AKRON

UNREGULATED FORECASTS 1985 AREA SOURCES

CO#	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
46	.98	.98	.00	4.00
47	.00	.00	.00	4.00
48	3.81	3.81	.00	4.00
49	.23	.23	.00	4.00
50	.00	.00	.00	4.00
51	.10	.10	.00	4.00
52	4.61	4.61	.00	4.00
53	3.24	3.24	.00	16.00
54	.46	.46	.00	16.00
55	.00	.00	.00	16.00
56	.00	.00	.00	1.00
57	.00	.00	.00	4.00
58	.00	.00	.00	4.00
59	.00	.00	.00	4.00
60	.00	.00	.00	1.00
61	6.33	6.33	.00	25.00
62	9.13	9.13	.00	25.00
63	1.40	1.40	.00	25.00
64	6.72	6.72	.00	25.00
65	4.90	4.90	.00	49.00
66	2.95	2.95	.00	49.00
67	2.90	2.90	.00	16.00
68	.01	.01	.00	16.00
69	.00	.00	.00	1.00
70	.01	.01	.00	4.00
71	4.06	4.06	.00	4.00
72	.75	.76	.00	4.00
73	.01	.01	.00	4.00
74	1.91	1.91	.00	4.00
75	5.51	5.51	.00	16.00
76	2.54	2.54	.00	16.00
77	2.20	2.20	.00	16.00
78	.02	.02	.00	16.00
79	.00	.00	.00	1.00
80	2.09	2.09	.00	16.00
81	.01	.01	.00	4.00
82	.00	.00	.00	1.00
83	.00	.00	.00	1.00
84	.00	.00	.00	1.00
85	8.05	8.05	.00	4.00
86	2.40	2.40	.00	4.00
87	4.17	4.17	.00	4.00
88	4.24	4.24	.00	4.00
89	.00	.00	.00	1.00
90	.11	.11	.00	4.00
91	4.47	4.47	.00	4.00

77<

10.54 10.54 .00 4.00

AKRON

UNREGULATED FORECASTS [AQCR AREA SOURCES]

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1995	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
94	.01	.01	.00	4.00
95	.01	.01	.00	4.00
96	.01	.01	.00	4.00
97	1.63	1.63	.00	4.00
98	.01	.01	.00	4.00
99	6.25	6.25	.00	4.00
100	9.19	9.19	.00	16.00
101	.02	.02	.00	16.00
102	.01	.01	.00	4.00
103	2.74	2.74	.00	16.00
104	7.57	7.57	.00	4.00
105	16.50	16.50	.00	4.00
106	6.61	6.61	.00	4.00
107	.01	.01	.00	4.00
108	1.49	1.49	.00	4.00
109	1.32	1.32	.00	4.00
110	4.01	4.01	.00	4.00
111	6.18	6.18	.00	4.00
112	3.23	3.23	.00	4.00
113	.61	.61	.00	4.00
114	.01	.01	.00	4.00
115	6.95	6.95	.00	4.00
116	2.08	2.08	.00	1.00
117	.00	.00	.00	1.00
118	9.30	9.30	.00	4.00
119	16.60	16.60	.00	4.00
120	11.81	11.81	.00	4.00
121	9.40	9.40	.00	4.00
122	9.17	9.17	.00	4.00
123	5.29	5.29	.00	16.00
124	1.36	1.36	.00	16.00
125	3.28	3.28	.00	4.00
126	1.23	1.23	.00	1.00
127	6.89	6.89	.00	1.00
128	13.02	13.02	.00	64.00
129	1.97	1.97	.00	4.00
130	4.50	4.50	.00	4.00
131	.42	.42	.00	1.00
132	5.02	5.02	.00	1.00
133	5.56	5.56	.00	1.00
134	3.65	3.65	.00	1.00
135	4.34	4.34	.00	1.00
136	2.67	2.67	.00	1.00
137	5.60	5.60	.00	1.00
138	4.22	4.22	.00	1.00
139	3.72	3.72	.00	4.00

78<

140 2.92 2.92 .00 4.00

.1 .1 .00 4.00

AKRON

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
142	2.04	2.04	.00	1.00
143	.00	.00	.00	1.00
144	2.20	2.20	.00	1.00
145	4.46	4.46	.00	1.00
146	6.21	6.21	.00	1.00
147	5.24	5.24	.00	1.00
148	7.84	7.84	.00	1.00
149	7.41	7.41	.00	1.00
150	3.10	3.10	.00	4.00
151	1.95	1.95	.00	4.00
152	4.14	4.14	.00	1.00
153	.18	.18	.00	1.00
154	5.24	5.24	.00	1.00
155	5.48	5.48	.00	1.00
156	1.53	1.53	.00	1.00
157	3.53	3.53	.00	1.00
158	4.93	4.93	.00	1.00
159	.00	.00	.00	1.00
160	.00	.00	.00	1.00
161	.00	.00	.00	1.00
162	3.03	3.03	.00	4.00
163	2.10	2.10	.00	4.00
164	1.19	1.19	.00	4.00
165	1.00	1.00	.00	16.00
166	4.20	4.20	.00	4.00
167	5.04	5.04	.00	1.00
168	3.83	3.83	.00	1.00
169	7.08	7.08	.00	1.00
170	4.87	4.87	.00	1.00
171	4.70	4.70	.00	1.00
172	1.51	1.51	.00	1.00
173	4.04	4.04	.00	1.00
174	2.32	2.32	.00	1.00
175	7.08	7.08	.00	1.00
176	3.19	3.19	.00	1.00
177	3.04	3.04	.00	4.00
178	.66	.66	.00	4.00
179	3.66	3.66	.00	1.00
180	5.97	5.97	.00	1.00
181	4.44	4.44	.00	1.00
182	3.83	3.83	.00	1.00
183	3.56	3.56	.00	1.00
184	4.59	4.59	.00	1.00
185	2.61	2.61	.00	1.00
186	5.31	5.31	.00	1.00
187	4.81	4.81	.00	1.00
[illegible]	[illegible]	[illegible]	.00	1.00

79<

AKRON

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
190	3.21	3.21	.00	1.00
191	3.66	3.66	.00	1.00
192	1.96	1.96	.00	1.00
193	.01	.01	.00	4.00
194	3.01	3.01	.00	4.00
195	3.06	3.06	.00	1.00
196	6.38	6.38	.00	1.00
197	7.00	7.00	.00	1.00
198	4.09	4.09	.00	1.00
199	5.59	5.59	.00	1.00
200	5.53	5.53	.00	1.00
201	1.67	1.67	.00	1.00
202	4.22	4.22	.00	1.00
203	2.67	2.67	.00	1.00
204	4.51	4.51	.00	1.00
205	4.23	4.23	.00	1.00
206	7.48	7.48	.00	1.00
207	2.75	2.75	.00	1.00
208	5.06	5.06	.00	1.00
209	3.51	3.51	.00	4.00
210	4.79	4.79	.00	4.00
211	1.73	1.73	.00	1.00
212	1.77	1.77	.00	1.00
213	1.97	1.97	.00	1.00
214	5.11	5.11	.00	1.00
215	4.35	4.35	.00	1.00
216	2.70	2.70	.00	1.00
217	4.38	4.38	.00	4.00
218	5.40	5.40	.00	4.00
219	15.07	15.07	.00	4.00
220	3.14	3.14	.00	1.00
221	7.57	7.57	.00	1.00
222	4.66	4.66	.00	4.00
223	5.49	5.49	.00	16.00
224	.03	.03	.00	25.00
225	9.51	9.51	.00	25.00
226	6.26	6.26	.00	4.00
227	8.42	8.42	.00	4.00
228	6.23	6.23	.00	1.00
229	2.76	2.76	.00	1.00
230	1.44	1.44	.00	1.00
231	4.12	4.12	.00	1.00
232	.01	.01	.00	4.00
233	1.99	1.99	.00	4.00
234	5.04	5.04	.00	1.00
235	1.32	1.32	.00	1.00
236	5.02	5.02	.00	4.00

80<

237	2.33	2.33	.00	4.00

AKRON

UNREGULATED FORECASTS 1985 AREA SOURCES

CDH #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
238	4.94	4.94	.00	4.00
239	3.61	3.61	.00	4.00
240	9.68	9.68	.00	4.00
241	7.85	7.85	.00	4.00
242	10.37	10.37	.00	4.00
243	2.33	2.33	.00	1.00
244	.00	.00	.00	1.00
245	3.52	3.52	.00	4.00
246	4.07	4.07	.00	4.00
247	16.42	16.42	.00	10.00
248	6.97	6.97	.00	10.00
249	4.91	4.91	.00	4.00
250	9.55	9.55	.00	4.00
251	6.25	6.25	.00	10.00
252	5.96	5.96	.00	4.00
253	5.70	5.70	.00	4.00
254	.00	.00	.00	1.00
255	.72	.72	.00	4.00
256	1.98	1.98	.00	4.00
257	.73	.73	.00	4.00
258	.01	.01	.00	4.00
259	.00	.00	.00	1.00
260	1.89	1.89	.00	1.00
261	3.46	3.46	.00	1.00
262	2.10	2.10	.00	1.00
263	.00	.00	.00	1.00
264	.00	.00	.00	4.00
265	2.57	2.57	.00	10.00
266	1.62	1.62	.00	10.00
267	4.61	4.61	.00	10.00
268	2.80	2.80	.00	4.00
269	6.61	6.61	.00	4.00
270	.00	.00	.00	4.00
271	.00	.00	.00	1.00
272	.00	.00	.00	1.00
273	.00	.00	.00	1.00
274	2.07	2.07	.00	1.00
275	.00	.00	.00	1.00
276	.00	.00	.00	1.00
277	.00	.00	.00	1.00
278	.00	.00	.00	1.00
279	1.63	1.63	.00	4.00
280	11.20	11.20	.00	4.00

81<

285	1.44	1.44	.00	<5.00

AKRON

UNREGULATED FORECASTS (NON AREA SOURCES

CDM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
286	.70	.70	.00	<5.00
287	.00	.00	.00	4.00
288	1.36	1.36	.00	4.00
289	1.42	1.42	.00	4.00
290	1.95	1.95	.00	4.00
291	.94	.94	.00	16.00
292	.00	.00	.00	4.00
293	.00	.00	.00	4.00
294	.86	.86	.00	4.00
295	.00	.00	.00	16.00
296	2.39	2.39	.00	16.00
297	.00	.00	.00	16.00
298	2.33	2.33	.00	16.00
299	.00	.00	.00	4.00
300	3.76	3.76	.00	4.00
301	.00	.00	.00	4.00
302	.00	.00	.00	4.00
303	.47	.47	.00	4.00
304	5.30	5.30	.00	4.00
305	.00	.00	.00	4.00
306	1.24	1.24	.00	4.00
307	.00	.00	.00	16.00
308	1.47	1.47	.00	16.00
309	.00	.00	.00	16.00
310	3.04	3.04	.00	16.00
311	.44	.44	.00	4.00
312	5.50	5.50	.00	4.00
313	1.86	1.86	.00	4.00
314	.00	.00	.00	4.00
315	.33	.33	.00	4.00
316	.00	.00	.00	4.00
317	.00	.00	.00	4.00
318	.00	.00	.00	4.00
SUM	889.55	889.55	.00	1500.00
TOT 1973		889.53		
TOT 1985	889.55		.00	1500.00

82<

*PMD.E

```
@USE 13.,CSFP-CL-HPT2.

@USE 14.,CSFP-CL-HAR2.

@USE 9.,CL-HPT.

@USE 10.,CL-HAR.

@XQT GOMCSFP.CSDFPT-21
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CLEVELAND CSDFP CONTROL
UNREGULATED 1985

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@ADD,P GOMCSFPDATA.CLEV
 CONTROL VARIABLES - KUNIT,IUNIT,LUNIT,MUNIT,FI,NSTRAT,NFL,IST,NREG,AR,IARTWO
  6  5 11 12  0  1  0  1  0  1  0
 GROWTH CONTROL VAR.
  1  1  2  2
 GROWTH CONTROL VAR.
  7  2 1974 0  3CUYAHOLDRAINLAKE
 AREA SOR. GROWTH
   -.017    .006    .008
   -.017    .006    .008
 POINT SOR. SICC SPECIFIC GROWTH
    .000    .062    .009    .028    .014    .054    .036
    .060    .000    .000    .000    .000    .088    .149
    .000    .000    .000    .042    .000    .144    .099
 SICC CODES
 20 28 29 32 33 34 35
 SOR. ID AND ADJUST. FACTOR
  20    .000    .000
  55    .000    .000
  56    .000    .000
  63    .000    .000
  64    .000    .000
  65    .000    .000
  66    .000    .000
  67    .000    .000
  68    .000    .000
  69    .000    .000
  70    .000    .000
 110    .000    .000
 111    .000    .000
 112    .000    .000
 113    .000    .000
 114    .000    .000
 115    .000    .000
 116    .000    .000
 117    .000    .000
 118    .000    .000
 119    .000    .000
 120    .000    .000
 121    .000    .000
 139  12.520  12.520
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140   12.520   12.520
182   12.520   12.520
183   12.520   12.520
191   17.400   17.400
FORECAST YEAR(S)
1980 1985
PROJECTED COMPLIANCE LEVEL
  0     0.     0.
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ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 29
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 30
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 47
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 53
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 58
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 66
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 84
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 102
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 103

UNREGULATED FORECASTS 1980 POINT SOURCES

COM#	CO.	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF YEAR) SO2 1974	UNIT	FUEL HEAT GENERATION RATES, 1980 COAL (MMBTU/HR)	OIL (MMBTU/HR)	GAS (MMBTU/HR)	TOTAL (MMBTU/HR)	RATED BOILER CAPACITY (MMBTU/HR)	1980 PROCESS WEIGHT RATE (LBS/HR)
1	(1)	114.20	114.20	1.07	(1)	541.7	.0	.0	541.7	750.0	.0
2	(1)	302.20	302.20	1.07	(1)	1433.2	.0	.0	1433.2	1866.0	.0
3	(1)	70.50	70.50	4.30	(1)	130.1	.0	.0	130.1	150.0	.0
4	(1)	998.00	998.00	1.32	(1)	2380.3	.0	.0	2380.3	2210.0	.0
5	(1)	349.00	349.00	5.23	(1)	529.7	.0	.0	529.7	862.0	.0
6	(1)	327.00	327.00	5.25	(1)	495.8	.0	.0	495.8	862.0	.0
7	(1)	286.00	286.00	5.23	(1)	433.7	.0	.0	433.7	691.0	.0
8	(1)	293.00	293.00	5.23	(1)	444.2	.0	.0	444.2	691.0	.0
9	(1)	60.00	60.00	1.35	(1)	304.2	.0	.0	304.2	1096.0	.0
10	(1)	18.20	18.20	.83	(1)	.0	172.4	.0	172.4	628.0	.0
11	(1)	2.90	2.90	.33	(1)	.0	66.6	.0	66.6	75.0	.0
12	(1)	57.46	54.50	21.00	(2)	.0	.0	.0	.0	.0	33751.4
13	(1)	28.50	28.50	2.11	(1)	.0	107.3	.0	107.3	243.0	.0
14	(1)	31.20	28.70	5.23	(4)	.0	.0	.0	.0	.0	94278.9
15	(1)	7.61	7.00	5.54	(4)	.0	.0	.0	.0	.0	21588.1
16	(1)	6.96	6.40	5.15	(5)	.0	.0	.0	.0	.0	19180.0
17	(1)	151.50	151.50	4.24	(1)	243.4	.0	.0	283.4	617.0	.0
18	(1)	13.40	13.40	1.20	(1)	38.6	.0	.0	88.6	141.0	.0
19	(1)	20.50	20.50	.79	(1)	.0	208.6	.0	208.6	212.0	.0
20	(1)	.00	13.30	3.05	(1)	.0	.0	.0	.0	134.0	.0
21	(1)	4.59	3.20	.84	(1)	.0	43.5	.0	43.5	80.0	.0
22	(1)	2.15	1.50	.34	(1)	.0	20.4	.0	20.4	119.0	.0
23	(1)	3.60	3.60	19.03	(8)	.0	.0	.0	.0	.0	3000.0
24	(1)	5.10	5.10	1.45	(1)	27.8	.0	.0	27.8	71.0	.0
25	(1)	5.10	5.10	2.91	(1)	13.9	.0	.0	13.9	71.0	.0
26	(1)	10.50	8.90	5.51	(4)	.0	.0	.0	.0	.0	30213.3
27	(1)	29.30	29.30	5.24	(1)	43.9	.0	.0	43.9	44.0	.0
28	(1)	6.30	6.30	3.49	(1)	14.3	.0	.0	14.3	60.3	.0
29	(1)	3.90	3.90	.00	(11)	.0	.0	.0	.0	.0	1780.0
30	(1)	34.30	34.30	.00	(11)	.0	.0	.0	.0	.0	15580.0
31	(1)	4.35	4.00	1.00	(1)	.0	31.8	2.6	34.5	53.0	.0
32	(1)	4.35	4.00	1.00	(1)	.0	31.8	2.6	34.5	53.0	.0
33	(1)	4.35	4.00	1.00	(1)	.0	31.8	2.6	34.5	53.0	.0
34	(1)	4.35	4.00	1.00	(1)	.0	31.8	2.6	34.5	53.0	.0
35	(1)	4.35	4.00	1.00	(1)	.0	31.8	2.6	34.5	53.0	.0
36	(1)	4.35	4.00	1.00	(1)	.0	31.8	2.6	34.5	53.0	.0
37	(1)	9.46	8.70	.93	(1)	.0	69.3	7.5	76.8	122.0	.0
38	(1)	9.46	8.70	.93	(1)	.0	69.3	7.5	76.8	113.0	.0
39	(1)	11.52	10.60	1.02	(1)	.0	84.4	5.6	90.0	138.0	.0
40	(1)	10.87	10.00	.96	(1)	.0	79.6	10.6	90.2	130.0	.0
41	(1)	20.22	18.60	1.01	(1)	.0	148.1	11.2	159.3	243.0	.0
42	(1)	31.74	29.20	1.08	(1)	.0	232.5	.0	232.5	664.0	.0
43	(1)	1.60	1.60	2.50	(3)	.0	.0	.0	.0	.0	10150.7
44	(1)	.80	.80	2.50	(3)	.0	.0	.0	.0	.0	5075.3
45	(1)	9.30	9.30	1.07	(1)	16.7	.0	55.8	72.1	520.0	.0
46	(1)	9.30	9.30	1.07	(1)	16.7	.0	55.8	72.1	110.0	.0
47	(1)	3.90	3.90	.00	(11)	.0	.0	.0	.0	.0	1780.0
48	(1)	23.15	21.30	4.04	(4)	.0	.0	145.2	145.2	.0	133048.2

UNREGULATED FORECASTS 1980 POINT SOURCES

COM#	CO.	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF LBS/)		FUEL HEAT GENERATION RATES, 1980 COAL	OIL (MMBTU/HR)	GAS (MMBTU/HR)	TOTAL (MMBTU/HR)	RATED BOILER CAPACITY (MMBTU/HR)	1980 PROCESS WEIGHT RATE (LBS/HR)
49	(1)	14.02	12.90	4.03	(4)	.0	.0	89.1	89.1	.0	106090.8
50	(1)	9.46	8.70	4.04	(4)	.0	.0	56.9	56.9	.0	103699.4
51	(1)	9.46	8.70	4.04	(4)	.0	.0	56.9	56.9	.0	103699.4
52	(1)	9.46	8.70	4.04	(4)	.0	.0	56.9	56.9	.0	103699.4
53	(1)	9.46	8.70	4.04	(4)	.0	.0	56.9	56.9	.0	103699.4
54	(1)	9.46	8.70	4.04	(4)	.0	.0	56.9	56.9	.0	103699.4
55	(1)	.00	6.80	.00	(11)	.0	.0	.0	.0	.0	.0
56	(1)	.00	6.40	.00	(11)	.0	.0	.0	.0	.0	.0
57	(1)	2.50	2.30	4.01	(4)	.0	.0	16.2	16.2	.0	22609.5
58	(1)	2.50	2.30	4.01	(4)	.0	.0	16.2	16.2	.0	22609.5
59	(1)	2.50	2.30	4.01	(4)	.0	.0	16.2	16.2	.0	22609.5
60	(1)	2.50	2.30	4.01	(4)	.0	.0	16.2	16.2	.0	22609.5
61	(1)	2.50	2.30	4.01	(4)	.0	.0	16.2	16.2	.0	22609.5
62	(1)	2.50	2.30	4.01	(4)	.0	.0	16.2	16.2	.0	22609.5
63	(1)	.00	28.10	4.27	(4)	.0	.0	.0	.0	.0	.0
64	(1)	.00	28.10	4.27	(4)	.0	.0	.0	.0	.0	.0
65	(1)	.00	28.10	4.27	(4)	.0	.0	.0	.0	.0	.0
66	(1)	.00	28.10	4.27	(4)	.0	.0	.0	.0	.0	.0
67	(1)	.00	28.10	4.27	(4)	.0	.0	.0	.0	.0	.0
68	(1)	.00	67.10	.00	(11)	.0	.0	.0	.0	.0	.0
69	(1)	.00	67.10	.00	(11)	.0	.0	.0	.0	.0	.0
70	(1)	.00	.60	3.85	(4)	.0	.0	.0	.0	.0	.0
71	(1)	2.50	2.30	4.01	(4)	.0	.0	188.7	188.7	.0	22609.5
72	(1)	72.94	67.10	4.64	(4)	.0	46.6	422.8	469.4	.0	361317.3
73	(1)	9.67	8.90	4.27	(4)	.0	.0	52.7	52.7	.0	84133.4
74	(1)	9.67	8.90	4.27	(4)	.0	.0	52.7	52.7	.0	84133.4
75	(1)	24.02	22.10	4.25	(4)	.0	.0	151.9	151.9	.0	125656.7
76	(1)	25.11	23.10	4.27	(4)	.0	.0	92.0	92.0	.0	125656.7
77	(1)	5.22	4.90	4.04	(4)	.0	.0	20.2	20.2	.0	108047.3
78	(1)	29.78	27.40	4.04	(4)	.0	.0	115.2	115.2	.0	100221.0
79	(1)	29.78	27.40	4.04	(4)	.0	.0	115.2	115.2	.0	100221.0
80	(1)	29.78	27.40	4.04	(4)	.0	.0	115.2	115.2	.0	100221.0
81	(1)	144.68	133.10	2.44	(1)	367.9	.0	21.9	389.9	461.0	.0
82	(1)	40.16	36.95	1.00	(1)	74.1	.0	242.9	317.0	388.0	.0
83	(1)	16.52	15.20	.55	(1)	.0	102.5	132.5	235.0	450.0	.0
84	(1)	38.26	35.20	.53	(1)	.0	30.1	333.7	363.8	3[illegible].0	.0
85	(1)	36.52	33.60	.79	(1)	.0	28.6	336.7	365.3	3[illegible].0	.0
86	(1)	37.39	34.40	.41	(1)	.0	24.6	335.6	365.3	336.0	.0
87	(1)	15.84	14.57	.38	(1)	.0	.0	333.3	333.3	460.0	.0
88	(1)	9.68	8.20	1.46	(1)	.0	66.0	.0	66.0	171.0	.0
89	(1)	2.83	2.60	.24	(4)	685.4	.0	.0	685.4	.0	188485.0
90	(1)	2.83	2.60	.13	(4)	.0	.0	.0	.0	.0	300119.4
91	(1)	3.15	2.90	.34	(1)	.0	74.3	.0	74.3	67.0	.0
92	(1)	3.15	2.90	.34	(1)	.0	74.3	.0	74.3	67.0	.0
93	(1)	3.15	2.90	.34	(1)	.0	74.3	.0	74.3	67.0	.0
94	(1)	3.15	2.90	.34	(1)	.0	74.3	.0	74.3	67.0	.0
95	(1)	3.15	2.90	.34	(1)	.0	74.3	.0	74.3	67.0	.0
96	(1)	3.04	2.80	.34	(1)	.0	71.7	.0	71.7	67.0	.0

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UNREGULATED FORECASTS 1980 POINT SOURCES

COM#	CO.	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF SO2) SO2/1974	UNIT	FUEL HEAT GENERATION RATES, 1980 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1980 PROCESS WEIGHT RATE (LBS/HR)
97	(1)	32.28	29.70	3.01	(1)	85.1	.0	.0	85.1	75.0	.0
98	(1)	32.28	29.70	3.01	(1)	85.1	.0	.0	85.1	75.0	.0
99	(1)	12.04	11.90	3.02	(1)	31.6	.0	.0	31.6	29.0	.0
100	(1)	12.04	11.90	3.02	(1)	31.6	.0	.0	31.6	29.0	.0
101	(1)	12.04	11.90	3.02	(1)	31.6	.0	.0	31.6	29.0	.0
102	(1)	11.90	.00	.00	(1)	.0	.0	.0	.0	29.0	.0
103	(1)	11.90	.00	.00	(1)	.0	.0	.0	.0	29.0	.0
104	(3)	6.20	6.20	.15	(1)	.0	.0	.0	.0	469.0	.0
105	(3)	688.00	688.00	5.46	(1)	999.6	.0	.0	999.6	1288.0	.0
106	(3)	697.00	697.00	5.54	(1)	997.2	.0	.0	997.2	1288.0	.0
107	(3)	712.00	712.00	5.51	(1)	1020.5	.0	.0	1020.5	1288.0	.0
108	(3)	1284.00	1284.00	5.54	(1)	1838.4	.0	.0	1838.4	2243.0	.0
109	(3)	3455.00	3455.00	5.54	(1)	4946.6	.0	.0	4946.6	5969.0	.0
110	(3)	.00	205.40	5.25	(1)	.0	.0	.0	.0	367.0	.0
111	(3)	.00	223.60	5.23	(1)	.0	.0	.0	.0	428.0	.0
112	(3)	.00	253.30	5.69	(1)	.0	.0	.0	.0	424.0	.0
113	(3)	.00	238.30	5.15	(1)	.0	.0	.0	.0	466.0	.0
114	(3)	.00	77.80	6.01	(1)	.0	.0	.0	.0	160.0	.0
115	(3)	.00	77.60	5.49	(1)	.0	.0	.0	.0	160.0	.0
116	(3)	.00	2.70	.35	(1)	.0	.0	.0	.0	173.0	.0
117	(3)	.00	9.40	3.35	(1)	.0	.0	.0	.0	277.0	.0
118	(3)	.00	5.00	.04	(1)	.1	.0	.0	.0	91.0	.0
119	(3)	.00	3.40	.44	(1)	.0	.0	.0	.0	97.0	.0
120	(3)	.00	7.30	2.32	(8)	.0	.0	.0	.0	.0	.0
121	(3)	.00	71.50	5.49	(1)	.0	.0	.0	.0	160.0	.0
122	(3)	29.40	29.40	5.64	(1)	41.1	.0	.0	41.1	90.0	.0
123	(3)	25.70	25.70	5.67	(1)	35.9	.0	.0	35.9	84.0	.0
124	(3)	.90	.90	.81	(1)	.0	8.8	.0	8.8	40.0	.0
125	(3)	.40	.40	.51	(1)	.1	6.2	.0	6.2	41.0	.0
126	(3)	45.40	45.40	5.11	(1)	62.4	.0	.0	62.4	100.0	.0
127	(3)	201.30	201.30	5.20	(1)	307.2	.0	.0	307.2	719.5	.0
128	(3)	192.90	.00	5.29	(1)	294.4	.0	.0	294.4	276.4	.0
129	(3)	48.90	48.90	4.21	(8)	198.0	.0	.0	198.0	.0	184400.0
130	(1)	6.72	4.90	.95	(1)	56.0	.0	.0	56.0	77.8	.0
131	(3)	66.90	66.90	2.03	(1)	83.5	116.9	.0	200.5	331.0	.0
132	(2)	19.08	11.50	1.42	(1)	.0	106.3	.0	106.3	120.0	.0
133	(1)	6.72	4.90	.95	(1)	56.0	.0	.0	56.0	77.8	.0
134	(1)	6.72	4.90	.95	(1)	56.0	.0	.0	56.0	95.0	.0
135	(1)	25.11	23.10	3.55	(1)	54.5	.0	.0	54.5	225.0	.0
136	(1)	25.11	23.10	3.55	(1)	54.5	.0	.0	54.5	150.0	.0
137	(1)	51.07	40.40	27.00	(2)	.0	.0	.0	.0	.0	29997.5
138	(1)	17.40	17.40	4.25	(1)	32.5	.0	.0	32.5	68.0	.0
139	(1)	36.31	2.90	.32	(1)	71.5	.0	.0	71.5	129.0	.0
140	(1)	33.80	2.70	.32	(1)	66.5	.0	.0	66.5	80.0	.0
141	(2)	112.00	112.00	1.19	(1)	.0	807.3	.0	807.3	1114.0	.0
142	(2)	112.00	112.00	1.19	(1)	.0	807.3	.0	807.3	1114.0	.0
143	(2)	112.00	112.00	1.19	(1)	.0	807.3	.0	807.3	1114.0	.0

UNREGULATED FORECASTS FOR [illegible] SOURCES

COM#	CO.	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	LAST YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF REG) SO2 1974	UNIT	FUEL HEAT GENERATION RATES, 1980 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1980 PROCESS WEIGHT RATE (LBS/HR)
145	(2)	448.00	448.00	4.93	(1)	720.9	.0	.0	720.9	1029.0	.0
146	(2)	447.00	447.00	4.93	(1)	719.3	.0	.0	719.3	1029.0	.0
147	(2)	1189.00	1189.00	4.93	(1)	1914.0	.0	.0	1914.0	2170.0	.0
148	(2)	3226.00	3226.00	4.93	(1)	5193.5	.0	.0	5193.5	5880.0	.0
149	(2)	11.95	11.95	1.42	(1)	.0	66.6	.0	66.6	74.0	.0
150	(2)	1.66	1.00	1.42	(1)	.0	9.2	.0	9.2	74.0	.0
151	(2)	31.71	31.70	3.73	(1)	67.3	.0	.0	67.3	74.7	.0
152	(2)	40.77	40.70	3.68	(1)	87.9	.0	.0	87.9	97.6	.0
153	(2)	40.77	40.70	3.64	(1)	87.9	.0	.0	87.9	97.6	.0
154	(2)	40.77	40.70	3.68	(1)	87.9	.0	.0	87.9	97.6	.0
155	(2)	379.10	379.10	4.60	(1)	653.4	.0	.0	653.4	962.0	.0
156	(2)	443.00	443.00	4.60	(1)	763.6	.0	.0	763.6	1125.0	.0
157	(2)	7.30	7.30	.78	(1)	.0	74.2	.0	74.2	111.0	.0
158	(2)	7.30	7.30	.78	(1)	.0	74.2	.0	74.2	111.0	.0
159	(2)	7.30	7.30	.78	(1)	.0	74.2	.0	74.2	111.0	.0
160	(2)	7.30	7.30	.78	(1)	.0	74.2	.0	74.2	111.0	.0
161	(2)	7.30	7.30	.78	(1)	.0	74.2	.0	74.2	111.0	.0
162	(2)	7.30	7.30	.78	(1)	.0	74.2	.0	74.2	111.0	.0
163	(2)	14.40	14.40	.74	(1)	.0	146.5	.0	146.5	219.0	.0
164	(2)	14.40	14.40	.78	(1)	.0	146.5	.0	146.5	219.0	.0
165	(2)	14.40	14.40	.78	(1)	.0	146.5	.0	146.5	219.0	.0
166	(2)	11.40	11.40	.34	(1)	.0	262.9	.0	262.9	350.0	.0
167	(2)	15.40	15.40	2.19	(4)	.0	.0	109.9	109.9	.0	82200.0
168	(2)	45.20	45.20	2.20	(4)	.0	.0	321.5	321.5	150.0	240600.0
169	(2)	41.00	41.00	2.19	(4)	.0	.0	292.2	292.2	400.0	219400.0
170	(2)	23.30	23.30	2.20	(4)	.0	.0	165.6	165.6	.0	437400.0
171	(2)	5.20	5.20	2.21	(4)	.0	.0	36.8	36.8	.0	97200.0
172	(2)	10.30	10.30	2.19	(4)	.0	.0	73.6	73.6	.0	194400.0
173	(2)	.94	.94	2.29	(4)	.0	.0	6.4	6.4	.0	77200.0
174	(2)	11.70	11.70	2.22	(4)	.0	.0	82.3	82.3	.0	137400.0
175	(2)	1.50	1.50	2.13	(4)	.0	.0	11.0	11.0	.0	137400.0
176	(2)	3.40	3.40	2.24	(4)	.0	.0	23.7	23.7	.0	142600.0
177	(2)	3.00	3.00	2.14	(4)	.0	.0	21.9	21.9	.0	137400.0
178	(2)	8.30	8.30	2.20	(4)	.0	.0	59.0	59.0	.0	92000.0
179	(2)	4.70	4.70	2.20	(4)	.0	.0	33.4	33.4	.0	20000.0
180	(2)	6.20	6.20	2.20	(4)	.0	.0	44.1	44.1	.0	26400.0
181	(2)	9.20	9.20	2.19	(4)	.0	.0	65.9	65.9	.0	40500.0
182	(1)	38.81	3.10	.32	(1)	76.9	.0	.0	76.8	129.0	.0
183	(1)	26.29	2.10	.32	(1)	52.5	.0	.0	52.5	80.0	.0
184	(3)	.40	.40	.55	(1)	.0	5.7	.0	5.7	41.0	.0
185	(3)	.40	.40	.55	(1)	.0	5.7	.0	5.7	41.0	.0
186	(2)	15.10	15.10	1.11	(1)	.0	.0	107.6	107.6	100.0	.0
187	(2)	15.10	15.10	1.11	(1)	.0	.0	107.6	107.6	100.0	.0
188	(2)	15.10	15.10	1.11	(1)	.0	.0	107.6	107.6	100.0	.0
189	(2)	19.20	19.20	2.14	(4)	.0	.0	136.8	136.8	.0	77200.0
190	(2)	2.30	2.30	2.31	(4)	.0	.0	15.6	15.6	.0	92000.0
191	(3)	35.60	2.00	5.15	(4)	.0	.0	.0	.0	.0	109470.0

CUYAHO	4488.23	4539.92	12249.7	2241.3	3849.3	16340.3	18777.9	2860489.7
LORAIN	7121.34	7112.79	10295.7	4559.2	1822.4	16677.4	19809.5	2251300.0
LAKE	7490.40	8439.20	10824.7	143.4	.0	10968.4	17111.9	293870.0
TOT 1974		20092.00	38176.9	7038.1	6938.2	52153.2	55699.3	6432901.7
TOT 1980	19099.96		33370.5	6943.9	5671.7	45986.1	55699.3	5405659.6

SOURCE CATEGORY IDENTIFICATION (SID)
UNITS OF ALLOWABLE EMISSION (UNIT)

(1) - FUEL COMBUSTION (DIRECT HEAT EXCHANGERS)(UTILITY AND INDUSTRIAL BOILERS)(LBS OF SO2/MMBTU OF RATED OR MAX. HEAT INPUT)
(2) - SULFURIC ACID PLANT (LBS OF SO2/TON OF 100% ACID PRODUCED)(SICC=2819)
(3) - SULFUR RECOVERY PLANT (LBS OF SULFUR/1000 LBS OF SULFUR PROCESSED)(SICC=2820)
(4) - COKE OVEN GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF COG)(SICC=3313, 3314)
(5) - CATALYTIC CRACKING UNITS (LBS OF SO2 PER 1000 LBS OF CHARGING STOCK)(SICC=2990)
(6) - REFINERY TREATING OPERATIONS (PPM SO2 IN EXHAUST GAS)(SICC=2491)
(7) - REFINERY OFF - GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF OFG)(SICC=2993)
(8) - GENERAL PROCESSES (LBS OF SO2/TON PROCESS WT)
(9) - GENERAL PROCESSES (PPM SO2 IN EXHAUST GAS)(SICC=2001)
(10) - INDUSTRIAL PROCESS FUEL COMBUSTION LIMITATION (LBS OF SO2(MMBTU) IE. (COG OR OFG COMBUSTION FOR REFINERY OR IRON & STEEL BOILERS, FURNACES, SOAKING PITS, PROCESS HEATERS OR FLARES)(SICC=2393)

(11) - NON CATEGORY SOURCES

POLITICAL JURISDICTION (CO.)

(1) CUYAHO
(2) LORAIN
(3) LAKE

UNREGULATED FORECASTS 1980 AREA SOURCES

CDM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	RESIDENTIAL COMMERCIAL SO2	SO2 AREA (GRAMS/SEC)
192	3.50	3.53	9.40	0.23
193	3.86	3.91	12.40	0.23
194	6.71	6.79	11.50	0.23
195	21.00	21.24	11.70	23.00
196	19.76	19.99	11.40	23.00
197	15.03	15.22	12.30	0.23
198	6.23	6.29	10.50	0.23
199	10.55	10.68	12.10	0.23
200	9.86	9.98	12.00	0.23
201	1.95	1.97	10.60	0.23
202	12.37	12.52	12.60	0.23
203	11.38	11.52	12.00	0.23
204	7.90	7.98	10.50	0.23
205	13.77	13.89	8.40	23.00
206	22.11	22.36	11.50	23.00
207	1.77	1.78	6.70	23.00
208	8.23	8.32	11.30	0.23
209	20.76	21.01	12.10	0.23
210	15.17	15.35	12.10	0.23
211	15.09	15.25	11.00	0.23
212	8.34	8.42	10.00	0.23
213	7.90	7.99	11.50	0.23
214	13.00	13.15	11.50	0.23
215	30.05	30.41	12.10	0.23
216	20.38	20.62	12.10	0.23
217	13.52	13.67	11.00	0.23
218	13.21	13.36	11.20	0.23
219	7.69	7.78	12.00	0.23
220	7.27	7.35	11.40	23.00
221	5.52	5.58	11.30	23.00
222	16.10	16.30	12.70	0.23
223	21.33	21.59	12.20	0.23
224	18.37	18.58	11.80	0.23
225	5.43	5.49	12.00	0.23
226	15.30	15.48	12.00	0.23
227	19.06	19.29	12.00	0.23
228	7.35	7.43	11.30	0.23
229	26.98	27.30	11.90	0.23
230	9.29	9.40	11.90	0.23
231	16.34	16.53	11.90	0.23
232	18.55	18.77	11.90	0.23
233	9.49	9.60	11.50	0.23
234	21.64	21.89	11.20	23.00
235	4.25	4.30	11.20	23.00
236	2.63	2.63	.30	0.23
237	1.74	1.75	5.90	0.23
238	19.67	19.90	11.20	0.23
239	21.84	22.10	12.10	0.23

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UNREGULATED FORECASTS [illegible] AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	* RESIDENTIAL COMMERCIAL SO2	ONLY AREA (KM**2)
240	20.61	20.85	11.40	0.25
241	20.55	20.79	12.00	0.25
242	14.14	14.35	11.70	0.25
243	5.21	5.28	9.70	0.25
244	2.40	2.40	.00	1.50
245	1.38	1.40	11.10	1.50
246	5.03	5.08	10.20	0.25
247	3.49	3.53	11.40	0.25
248	6.81	6.88	11.00	0.25
249	12.37	12.51	11.40	25.00
250	8.33	8.42	11.50	25.00
251	2.14	2.16	11.40	0.25
252	43.74	44.10	9.40	0.25
253	30.44	30.80	12.10	0.25
254	20.15	20.40	12.50	0.25
255	16.71	16.90	11.50	0.25
256	9.75	9.86	11.50	0.25
257	.82	.83	11.30	0.25
258	2.86	2.87	3.50	0.25
259	.28	.28	10.40	0.25
260	36.20	36.20	.00	0.25
261	44.67	45.20	11.90	0.25
262	23.92	24.20	11.90	0.25
263	11.38	11.52	12.40	25.00
264	66.66	67.46	12.20	0.25
265	5.97	6.04	12.00	0.25
266	.92	.93	11.40	0.25
267	6.25	6.29	6.50	25.00
268	7.56	7.65	11.40	25.00
269	1.66	1.68	11.00	0.25
270	16.03	16.23	12.50	0.25
271	35.27	35.67	11.50	0.25
272	16.49	16.69	12.00	0.25
273	19.28	19.51	12.10	0.25
274	59.38	60.10	12.30	0.25
275	21.07	21.32	12.00	0.25
276	3.92	3.96	11.50	0.25
277	1.44	1.50	12.10	0.25
278	13.50	13.63	10.00	0.25
279	18.37	18.59	12.10	0.25
280	23.95	24.24	12.10	0.25
281	16.64	16.84	12.10	0.25
282	22.29	22.55	11.40	0.25
283	2.21	2.24	12.00	0.25
284	.28	.28	12.00	0.25
285	43.77	43.77	.00	0.25
286	15.83	16.02	11.70	0.25
287	1.41	1.44	11.40	0.25

UNREGULATED FORECASTS 1980 AREA SOURCES

CON #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	RESIDENTIAL COMMERCIAL SO2	UNIT AREA (GRAMS/SEC)
288	2.26	2.26	.00	0.25
289	23.36	23.64	11.50	0.25
290	10.97	11.10	12.20	0.25
291	7.43	7.52	11.50	0.25
292	10.28	10.39	11.20	0.25
293	17.31	17.51	11.50	0.25
294	16.55	16.75	12.00	0.25
295	3.40	3.44	11.50	0.25
296	8.89	8.99	11.30	0.25
297	23.11	23.11	.00	0.25
298	7.48	7.57	11.70	0.25
299	11.47	11.60	11.50	0.25
300	1.37	1.39	11.50	0.25
301	4.45	4.48	6.50	0.25
302	4.75	4.85	11.40	0.25
303	8.21	8.32	11.20	0.25
304	6.48	6.55	11.50	0.25
305	7.38	7.46	10.50	0.25
306	10.29	10.40	11.40	0.25
307	3.57	3.61	11.50	0.25
308	1.45	1.47	12.50	0.25
309	1.16	1.17	10.20	0.25
310	6.05	6.11	10.20	0.25
311	2.92	2.95	11.30	0.25
312	3.86	3.91	12.20	0.25
313	1.40	1.41	10.00	0.25
314	25.52	25.79	10.60	<5.00
315	9.42	9.53	11.90	<5.00
316	5.96	6.03	12.00	<5.00
317	9.16	9.26	11.40	<5.00
318	2.46	2.49	10.70	<5.00
319	2.65	2.68	10.90	<5.00
320	1.63	1.65	10.10	<5.00
321	4.94	4.97	5.50	<5.00
322	2.33	2.45	12.10	<5.00
323	1.75	1.75	1.10	<5.00
324	.09	.09	1.70	<5.00
325	2.72	2.66	52.30	<5.00
326	1.64	1.66	33.40	<5.00
327	.09	.09	51.10	<5.00
328	.99	.97	50.70	<5.00
329	1.12	1.10	33.30	<5.00
330	8.48	8.31	57.10	<5.00
331	.63	.62	56.30	<5.00
332	.57	.56	53.20	<5.00
333	.09	.09	57.00	<5.00
334	.48	.47	51.30	<5.00
335	.60	.59	37.30	<5.00

UNREGULATED FORECASTS 1980 AQCR XXXXX

CDM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	URBAN AREA (miles)
336	2.99	2.93	51.40	25.00
337	2.52	2.47	55.40	25.00
338	1.82	1.78	55.40	25.00
339	2.43	2.37	37.20	25.00
340	.47	.45	38.40	25.00
341	.09	.09	47.00	25.00
342	1.55	1.52	59.20	25.00
343	.44	.44	8.50	25.00
344	5.23	5.14	46.40	25.00
345	10.88	10.66	56.40	25.00
346	1.13	1.11	39.80	25.00
347	.72	.72	7.60	25.00
348	.09	.09	45.30	25.00
349	.09	.09	27.00	25.00
350	.09	.09	56.30	25.00
351	2.74	2.71	30.90	25.00
352	4.31	4.24	43.60	25.00
353	7.87	7.85	6.70	25.00
354	6.43	6.41	7.50	25.00
355	.77	.77	.00	25.00
356	.09	.09	.00	25.00
357	.84	.84	.00	25.00
358	.44	.44	.00	25.00
359	.54	.53	44.80	25.00
360	2.05	2.01	49.10	25.00
361	1.19	1.19	.00	25.00
362	2.16	2.13	33.90	25.00
363	.59	.58	32.10	25.00
364	.54	.54	.00	25.00
365	.56	.56	12.40	25.00
366	.58	.58	10.20	25.00
367	.46	.45	52.20	25.00
368	1.57	1.54	51.00	25.00
369	.71	.70	50.60	25.00
370	2.39	2.35	51.90	25.00
371	.81	.80	39.10	25.00
372	.94	.94	.00	25.00
373	.52	.55	51.30	25.00
374	.71	.73	27.30	25.00
375	14.78	14.49	54.10	0.25
376	4.46	4.34	59.40	0.25
377	4.30	4.20	48.50	0.25
378	1.82	1.78	41.70	0.25
379	3.00	3.00	.00	0.25
380	2.20	2.20	.00	0.25
381	.72	.72	.00	0.25
382	2.44	3.00	55.40	25.00
383	2.26	2.20	51.10	0.25

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UNREGULATED FORECASTS 1980 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	* RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
384	2.05	2.00	54.60	0.25
385	3.04	3.00	54.60	0.25
386	8.54	8.40	42.60	25.00
387	4.80	4.80	.00	25.00
388	2.30	2.40	42.60	25.00
389	1.58	1.56	27.30	0.25
390	1.54	1.51	45.50	0.25
391	6.25	6.10	49.20	25.00
392	3.46	3.38	45.40	25.00
393	2.55	2.49	50.70	25.00
394	2.60	2.54	46.60	25.00
395	.12	.12	48.20	0.25
396	4.71	4.64	31.00	0.25
397	1.17	1.15	25.70	0.25
398	4.71	4.60	48.70	0.25
399	9.43	9.20	51.40	25.00
400	3.44	3.35	52.30	25.00
401	3.89	3.81	45.00	25.00
402	3.74	3.67	38.40	25.00
403	2.57	2.54	21.80	25.00
404	3.84	3.75	49.30	25.00
405	3.71	3.69	11.50	25.00
406	1.47	1.43	50.00	25.00
407	1.02	1.00	50.00	25.00
408	4.22	4.12	50.00	25.00
409	3.00	2.93	50.00	25.00
410	1.13	1.10	50.00	25.00
411	2.62	2.56	50.00	25.00
412	4.17	4.07	50.00	25.00
413	3.73	3.64	50.00	25.00
414	1.02	1.00	50.00	25.00
415	6.02	6.20	30.00	1.56
416	18.91	19.00	5.00	1.56
417	8.92	9.10	20.00	1.56
418	6.93	7.00	10.00	1.56
419	2.75	2.80	20.00	1.56
420	1.34	1.40	15.00	1.56
CUYAHO	1699.47	1717.47	1643.40	1250.00
LORAIN	88.24	87.07	1746.90	1250.00
LAKE	133.73	130.99	1743.60	650.00
TOT 1974		1935.03		
TOT 1980	1921.49		4973.40	1250.00

ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 27
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 39
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 47
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 55
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 56
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 75
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 87
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 104
ALLOWABLE SO2 EMISSION NOT CALCULABLE FOR SOURCE 105

CLEVELAND

UNREGULATED FORECASTS [as a point source]

CDM#	CO.	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF REG) SO2 1974		FUEL HEAT GENERATION RATES, 1985 COAL (MMBTU/HR)	OIL (MMBTU/HR)	GAS (MMBTU/HR)	TOTAL (MMBTU/HR)	RATED BOILER CAPACITY (MMBTU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
1	(1)	114.20	114.20	1.67	(1)	541.1	.0	.0	541.1	750.0	.0
2	(1)	302.20	302.20	1.51	(1)	1433.2	.0	.0	1433.2	1866.0	.0
3	(1)	70.50	70.50	4.30	(1)	130.1	.0	.0	130.1	150.0	.0
4	(1)	998.00	998.00	1.32	(1)	2380.3	.0	.0	2380.3	2210.0	.0
5	(1)	349.00	349.00	5.21	(1)	529.1	.0	.0	529.1	862.0	.0
6	(1)	327.00	327.00	5.23	(1)	495.6	.0	.0	495.6	862.0	.0
7	(1)	286.00	286.00	5.23	(1)	433.1	.0	.0	433.1	691.0	.0
8	(1)	293.00	293.00	5.23	(1)	444.2	.0	.0	444.2	691.0	.0
9	(1)	60.00	60.00	1.56	(1)	304.2	.0	.0	304.2	1096.0	.0
10	(1)	18.20	18.20	.54	(1)	.0	172.4	.0	172.4	628.0	.0
11	(1)	2.90	2.40	.34	(1)	.0	68.6	.0	68.6	75.0	.0
12	(1)	57.46	54.50	27.00	(2)	.0	.0	.0	.0	.0	33751.4
13	(1)	28.50	28.50	2.11	(1)	.0	107.3	.0	107.3	243.0	.0
14	(1)	33.44	28.70	5.25	(8)	.0	.0	.0	.0	.0	101065.8
15	(1)	8.16	7.00	5.59	(8)	.0	.0	.0	.0	.0	23142.1
16	(1)	7.46	6.40	5.75	(8)	.0	.0	.0	.0	.0	20560.8
17	(1)	151.50	151.50	4.24	(1)	283.4	.0	.0	283.4	617.0	.0
18	(1)	13.40	13.40	1.20	(1)	88.6	.0	.0	88.6	141.0	.0
19	(1)	20.50	20.50	.73	(1)	.0	208.6	.0	208.6	212.0	.0
20	(1)	.00	13.30	3.05	(1)	.0	.0	.0	.0	134.0	.0
21	(1)	6.20	3.20	.84	(1)	.0	54.7	.0	54.7	80.0	.0
22	(1)	2.91	1.50	.84	(1)	.0	27.5	.0	27.5	119.0	.0
23	(1)	3.60	3.60	19.01	(8)	.0	.0	.0	.0	.0	3000.0
24	(1)	5.10	5.10	1.45	(1)	27.8	.0	.0	27.8	71.0	.0
25	(1)	5.10	5.10	2.41	(1)	13.9	.0	.0	13.9	71.0	.0
26	(1)	12.01	8.90	5.51	(8)	.0	.0	.0	.0	.0	34560.0
27	(1)	29.30	29.30	5.29	(1)	43.9	.0	.0	43.9	44.0	.0
28	(1)	6.30	6.30	3.49	(1)	14.3	.0	.0	14.3	60.3	.0
29	(1)	3.90	3.90	.00	(11)	.0	.0	.0	.0	.0	1780.0
30	(1)	34.30	34.30	.00	(11)	.0	.0	.0	.0	.0	15580.0
31	(1)	4.66	4.00	1.09	(1)	.0	34.1	2.8	36.9	53.0	.0
32	(1)	4.66	4.00	1.09	(1)	.0	34.1	2.8	36.9	53.0	.0
33	(1)	4.66	4.00	1.09	(1)	.0	34.1	2.8	36.9	53.0	.0
34	(1)	4.66	4.00	1.00	(1)	.0	34.1	2.8	36.9	53.0	.0
35	(1)	4.66	4.00	1.00	(1)	.0	34.1	2.8	36.9	53.0	.0
36	(1)	4.66	4.00	1.00	(1)	.0	34.1	2.8	36.9	53.0	.0
37	(1)	10.14	8.70	.94	(1)	.0	74.2	8.1	82.3	122.0	.0
38	(1)	10.14	8.70	.94	(1)	.0	74.2	8.1	82.3	113.0	.0
39	(1)	12.35	10.60	1.92	(1)	.0	99.5	6.0	96.5	138.0	.0
40	(1)	11.65	10.00	.96	(1)	.0	85.4	11.4	96.7	130.0	.0
41	(1)	21.67	14.50	1.01	(1)	.0	158.7	12.0	170.7	243.0	.0
42	(1)	34.03	29.20	1.04	(1)	.0	249.2	.0	249.2	664.0	.0
43	(1)	1.60	1.60	2.53	(8)	.0	.0	.0	.0	.0	10150.7
44	(1)	.80	.80	2.50	(8)	.0	.0	.0	.0	.0	5075.3
45	(1)	9.80	9.80	1.07	(1)	16.7	.0	55.8	72.7	520.0	.0
46	(1)	9.80	9.80	1.07	(1)	16.7	.0	55.8	72.7	110.0	.0
47	(1)	3.90	3.90	.00	(11)	.0	.0	.0	.0	.0	1780.0
48	(1)	24.82	21.30	4.04	(8)	.0	.0	155.0	155.0	.0	142626.1

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CLEVELAND

UNREGULATED FORECASTS FOR METAL SMELTERS

COM#	CO.	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF LBS) SO2/1974	MULT	FUEL HEAT GENERATION RATES, 1985 COAL (MMBTU/HR)	OIL (MMBTU/HR)	GAS (MMBTU/HR)	TOTAL (MMBTU/HR)	RATED BOILER CAPACITY (MMBTU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
49	(1)	15.03	12.90	4.05	(4)	.0	.0	95.5	95.5	.0	113728.0
50	(1)	10.14	8.70	4.04	(4)	.0	.0	61.0	61.0	.0	111164.4
51	(1)	10.14	8.70	4.04	(4)	.0	.0	61.0	61.0	.0	111164.4
52	(1)	10.14	8.70	4.04	(4)	.0	.0	61.0	61.0	.0	111164.4
53	(1)	10.14	8.70	4.04	(4)	.0	.0	61.0	61.0	.0	111164.4
54	(1)	10.14	8.70	4.04	(4)	.0	.0	61.0	61.0	.0	111164.4
55	(1)	.00	6.40	.00	(11)	.0	.0	.0	.0	.0	.0
56	(1)	.00	6.40	.00	(11)	.0	.0	.0	.0	.0	.0
57	(1)	2.68	2.30	4.01	(4)	.0	.0	17.4	17.4	.0	24237.1
58	(1)	2.68	2.30	4.01	(4)	.0	.0	17.4	17.4	.0	24237.1
59	(1)	2.68	2.30	4.01	(4)	.0	.0	17.4	17.4	.0	24237.1
60	(1)	2.68	2.30	4.01	(4)	.0	.0	17.4	17.4	.0	24237.1
61	(1)	2.68	2.30	4.01	(4)	.0	.0	17.4	17.4	.0	24237.1
62	(1)	2.68	2.30	4.01	(4)	.0	.0	17.4	17.4	.0	24237.1
63	(1)	.00	28.10	4.27	(4)	.0	.0	.0	.0	.0	.0
64	(1)	.00	28.10	4.27	(4)	.0	.0	.0	.0	.0	.0
65	(1)	.00	28.10	4.27	(4)	.0	.0	.0	.0	.0	.0
66	(1)	.00	28.10	4.27	(4)	.0	.0	.0	.0	.0	.0
67	(1)	.00	28.10	4.27	(4)	.0	.0	.0	.0	.0	.0
68	(1)	.00	67.10	.00	(11)	.0	.0	.0	.0	.0	.0
69	(1)	.00	67.10	.00	(11)	.0	.0	.0	.0	.0	.0
70	(1)	.00	.60	3.85	(4)	.0	.0	.0	.0	.0	.0
71	(1)	2.68	2.30	4.01	(4)	.0	.0	202.3	202.3	.0	24237.1
72	(1)	78.19	67.10	4.68	(4)	.0	49.9	453.2	503.2	.0	387327.7
73	(1)	10.37	8.90	4.27	(4)	.0	.0	56.5	56.5	.0	90190.0
74	(1)	10.37	8.90	4.27	(4)	.0	.0	56.5	56.5	.0	90190.0
75	(1)	25.75	22.10	4.25	(4)	.0	.0	162.8	162.8	.0	134702.4
76	(1)	26.92	23.10	4.27	(4)	.0	.0	98.6	98.6	.0	134702.4
77	(1)	5.59	4.80	4.04	(4)	.0	.0	21.6	21.6	.0	115825.4
78	(1)	31.93	27.40	4.04	(4)	.0	.0	123.5	123.5	.0	107435.7
79	(1)	31.93	27.40	4.04	(4)	.0	.0	123.5	123.5	.0	107435.7
80	(1)	31.93	27.40	4.04	(4)	.0	.0	123.5	123.5	.0	107435.7
81	(1)	155.09	133.10	2.94	(1)	394.4	.0	23.5	418.0	461.0	.0
82	(1)	43.06	36.95	1.00	(1)	40.1	.0	260.4	340.5	388.0	.0
83	(1)	17.71	15.20	.50	(1)	.0	109.9	142.0	251.9	450.0	.0
84	(1)	41.02	35.20	.83	(1)	.0	32.2	357.7	390.0	336.0	.0
85	(1)	39.15	33.60	.79	(1)	.0	30.6	361.0	391.6	336.0	.0
86	(1)	40.08	34.40	.81	(1)	.0	31.7	359.8	391.6	336.0	.0
87	(1)	16.98	14.57	.34	(1)	.0	.0	357.3	357.3	460.0	.0
88	(1)	11.11	8.20	1.16	(1)	.0	75.8	.0	75.8	171.0	.0
89	(1)	3.03	2.60	.24	(8)	714.7	.0	.0	734.7	.0	202053.6
90	(1)	3.03	2.60	.15	(8)	.0	.0	.0	.0	.0	321724.3
91	(1)	3.38	2.90	.34	(1)	.0	79.7	.0	79.7	67.0	.0
92	(1)	3.38	2.90	.34	(1)	.0	79.7	.0	79.7	67.0	.0
93	(1)	3.38	2.90	.34	(1)	.0	79.7	.0	79.7	67.0	.0
94	(1)	3.38	2.90	.34	(1)	.0	79.7	.0	79.7	67.0	.0
95	(1)	3.38	2.90	.34	(1)	.0	79.7	.0	79.7	67.0	.0
96	(1)	3.26	2.80	.34	(1)	.0	76.9	.0	76.9	67.0	.0

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CLEVELAND

UNREGULATED FORECAST: 1985 POINT SOURCES

COM#	CO.	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (POUNDS OF SO2) SO2 1974	SPGR	FUEL HEAT GENERATION RATES: 1985 COAL (MMBTU/HR)	OIL (MMBTU/HR)	GAS (MMBTU/HR)	TOTAL (MMBTU/HR)	RATED BOILER CAPACITY (MMBTU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
97	(1)	32.36	29.70	3.01	(1)	85.3	.0	.0	85.3	75.0	.0
98	(1)	32.36	29.70	3.01	(1)	85.3	.0	.0	85.3	75.0	.0
99	(1)	12.04	11.00	3.02	(1)	31.6	.0	.0	31.6	29.0	.0
100	(1)	12.04	11.00	3.02	(1)	31.6	.0	.0	31.6	29.0	.0
101	(1)	12.04	11.00	3.02	(1)	31.6	.0	.0	31.6	29.0	.0
102	(1)	11.90	.00	.00	(1)	.0	.0	.0	.0	29.0	.0
103	(1)	11.90	.00	.00	(1)	.0	.0	.0	.0	29.0	.0
104	(3)	6.20	6.20	.15	(1)	.0	.0	.0	.0	469.0	.0
105	(3)	688.00	688.00	5.46	(1)	999.6	.0	.0	999.6	1288.0	.0
106	(3)	697.00	697.00	5.54	(1)	997.2	.0	.0	997.2	1288.0	.0
107	(3)	712.00	712.00	5.53	(1)	1020.5	.0	.0	1020.5	1288.0	.0
108	(3)	1284.00	1284.00	5.54	(1)	1838.4	.0	.0	1838.4	2243.0	.0
109	(3)	3459.00	3459.00	5.54	(1)	4946.6	.0	.0	4946.6	5969.0	.0
110	(3)	.00	205.40	5.23	(1)	.0	.0	.0	.0	367.0	.0
111	(3)	.00	223.60	5.23	(1)	.0	.0	.0	.0	428.0	.0
112	(3)	.00	253.30	5.69	(1)	.0	.0	.0	.0	424.0	.0
113	(3)	.00	238.30	5.15	(1)	.0	.0	.0	.0	466.0	.0
114	(3)	.00	77.80	6.01	(1)	.0	.0	.0	.0	160.0	.0
115	(3)	.00	77.60	5.49	(1)	.0	.0	.0	.0	160.0	.0
116	(3)	.00	2.70	.56	(1)	.0	.0	.0	.0	173.0	.0
117	(3)	.00	9.40	3.36	(1)	.0	.0	.0	.0	277.0	.0
118	(3)	.00	5.00	.64	(1)	.0	.0	.0	.0	91.0	.0
119	(3)	.00	3.40	.44	(1)	.0	.0	.0	.0	97.0	.0
120	(3)	.00	7.30	2.32	(1)	.0	.0	.0	.0	.0	.0
121	(3)	.00	71.50	5.49	(1)	.0	.0	.0	.0	160.0	.0
122	(3)	29.40	29.40	5.64	(1)	41.1	.0	.0	41.1	90.0	.0
123	(3)	25.70	25.70	5.67	(1)	35.9	.0	.0	35.9	84.0	.0
124	(3)	.90	.90	.81	(1)	.0	8.8	.0	8.8	40.0	.0
125	(3)	.40	.40	.51	(1)	.0	6.2	.0	6.2	41.0	.0
126	(3)	45.60	45.60	5.77	(1)	62.9	.0	.0	62.9	100.0	.0
127	(3)	201.30	201.30	5.29	(1)	307.2	.0	.0	307.2	719.5	.0
128	(3)	192.90	.00	5.29	(1)	294.4	.0	.0	294.4	276.4	.0
129	(3)	48.90	48.90	4.21	(1)	198.0	.0	.0	198.0	.0	184400.0
130	(1)	8.37	4.90	.95	(1)	69.1	.0	.0	69.1	77.8	.0
131	(3)	66.90	66.90	2.65	(1)	83.6	116.9	.0	200.5	331.0	.0
132	(2)	19.35	11.50	1.42	(1)	.0	107.9	.0	107.8	120.0	.0
133	(1)	8.37	4.90	.95	(1)	69.1	.0	.0	69.1	77.8	.0
134	(1)	8.74	4.90	.95	(1)	72.8	.0	.0	72.8	95.0	.0
135	(1)	26.92	23.10	3.65	(1)	58.5	.0	.0	58.5	225.0	.0
136	(1)	26.92	23.10	3.65	(1)	58.5	.0	.0	58.5	150.0	.0
137	(1)	51.07	40.40	27.00	(2)	.0	.0	.0	.0	.0	29997.5
138	(1)	17.40	17.40	4.25	(1)	32.5	.0	.0	32.5	68.0	.0
139	(1)	36.31	2.90	.42	(1)	71.5	.0	.0	71.5	129.0	.0
140	(1)	33.80	2.70	.42	(1)	66.5	.0	.0	66.5	80.0	.0
141	(2)	112.00	112.00	1.10	(1)	.0	807.3	.0	807.3	1114.0	.0
142	(2)	112.00	112.00	1.10	(1)	.0	807.3	.0	807.3	1114.0	.0
143	(2)	112.00	112.00	1.10	(1)	.0	807.3	.0	807.3	1114.0	.0
144	(2)	112.00	112.00	1.10	(1)	.0	807.3	.0	807.3	1114.0	.0

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CLEVELAND

UNREGULATED FORECASTS [illegible]

CDH#	CO.	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF CO) SO2/1974		FUEL HEAT GENERATION RATES: 1985 COAL (MMBTU/HR)	OIL (MMBTU/HR)	GAS (MMBTU/HR)	TOTAL (MMBTU/HR)	RATED BOILER CAPACITY (MMBTU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
145	(2)	449.00	449.00	4.93	(1)	720.9	.0	.0	720.9	1029.0	.0
146	(2)	447.00	447.00	4.93	(1)	719.0	.0	.0	719.0	1029.0	.0
147	(2)	1189.00	1189.00	4.93	(1)	1914.0	.0	.0	1914.0	2170.0	.0
148	(2)	3226.00	3226.00	4.93	(1)	5193.5	.0	.0	5193.5	5880.0	.0
149	(2)	11.95	11.95	1.42	(1)	.0	55.6	.0	55.6	74.0	.0
150	(2)	2.53	1.00	1.42	(1)	.0	14.1	.0	14.1	74.0	.0
151	(2)	31.71	31.70	1.74	(1)	57.3	.0	.0	57.3	74.7	.0
152	(2)	40.77	40.70	1.64	(1)	87.9	.0	.0	87.9	97.6	.0
153	(2)	40.77	40.70	3.64	(1)	87.9	.0	.0	87.9	97.6	.0
154	(2)	40.77	40.70	3.64	(1)	87.9	.0	.0	87.9	97.6	.0
155	(2)	379.10	379.10	4.60	(1)	653.4	.0	.0	653.4	962.0	.0
156	(2)	443.00	443.00	4.60	(1)	763.0	.0	.0	763.0	1125.0	.0
157	(2)	7.30	7.30	.78	(1)	.0	74.2	.0	74.2	111.0	.0
158	(2)	7.30	7.30	.78	(1)	.0	74.2	.0	74.2	111.0	.0
159	(2)	7.30	7.30	.78	(1)	.0	74.2	.0	74.2	111.0	.0
160	(2)	7.30	7.30	.78	(1)	.0	74.2	.0	74.2	111.0	.0
161	(2)	7.30	7.30	.78	(1)	.0	74.2	.0	74.2	111.0	.0
162	(2)	7.30	7.30	.78	(1)	.0	74.2	.0	74.2	111.0	.0
163	(2)	14.40	14.40	.78	(1)	.0	146.5	.0	146.5	219.0	.0
164	(2)	14.40	14.40	.78	(1)	.0	146.5	.0	146.5	219.0	.0
165	(2)	14.40	14.40	.78	(1)	.0	146.5	.0	146.5	219.0	.0
166	(2)	11.40	11.40	.58	(1)	.0	262.9	.0	262.9	350.0	.0
167	(2)	15.40	15.40	2.14	(4)	.0	.0	109.9	109.9	.0	82200.0
168	(2)	45.20	45.20	2.20	(4)	.0	.0	321.5	321.5	150.0	240600.0
169	(2)	41.00	41.00	2.19	(4)	.0	.0	292.2	292.2	400.0	219400.0
170	(2)	23.30	23.30	2.20	(4)	.0	.0	165.6	165.6	.0	437400.0
171	(2)	5.20	5.20	2.21	(4)	.0	.0	36.8	36.8	.0	97200.0
172	(2)	10.30	10.30	2.14	(4)	.0	.0	73.6	73.6	.0	194400.0
173	(2)	.94	.94	2.29	(4)	.0	.0	6.4	6.4	.0	77200.0
174	(2)	11.70	11.70	2.22	(4)	.0	.0	82.3	82.3	.0	137400.0
175	(2)	1.50	1.50	2.13	(4)	.0	.0	11.0	11.0	.0	137400.0
176	(2)	3.40	3.40	2.24	(4)	.0	.0	23.7	23.7	.0	142600.0
177	(2)	3.00	3.00	2.14	(4)	.0	.0	21.9	21.9	.0	137400.0
178	(2)	8.30	8.30	2.23	(4)	.0	.0	59.0	59.0	.0	92000.0
179	(2)	4.70	4.70	2.20	(4)	.0	.0	33.4	33.4	.0	20000.0
180	(2)	6.20	6.20	2.20	(4)	.0	.0	44.1	44.1	.0	26400.0
181	(2)	9.20	9.20	2.14	(4)	.0	.0	65.9	65.9	.0	40500.0
182	(1)	34.81	3.10	.42	(1)	76.9	.0	.0	76.9	129.0	.0
183	(1)	26.29	2.10	.42	(1)	52.5	.0	.0	52.5	80.0	.0
184	(3)	.40	.40	.55	(1)	.0	5.7	.0	5.7	41.0	.0
185	(3)	.40	.40	.55	(1)	.0	5.7	.0	5.7	41.0	.0
186	(2)	15.10	15.10	1.11	(1)	.0	.0	107.6	107.6	100.0	.0
187	(2)	15.10	15.10	1.11	(1)	.0	.0	107.6	107.6	100.0	.0
188	(2)	15.10	15.10	1.11	(1)	.0	.0	107.6	107.6	100.0	.0
189	(2)	19.20	14.20	2.14	(4)	.0	.0	136.8	136.8	.0	77200.0
190	(2)	2.30	2.30	2.91	(1)	.0	.0	15.6	15.6	.0	92000.0
191	(3)	35.60	2.30	5.15	(1)	.0	.0	.0	.0	.0	109470.0

CUYAHO	4564.32	4564.32	[illegible]	[illegible]	4114.3	18887.3	18777.9	3061302.2
LORAIN	7122.49	7112.89	[illegible]	9555.5	1822.9	10683.0	19809.5	2251300.0
LAKE	7490.40	4439.20	[illegible]	143.4	.0	10968.9	17111.9	293870.0
TOT 1974		24092.00	[illegible]	7034.1	6938.2	52153.2	55699.3	6432901.7
TOT 1985	19177.21		[illegible]	7094.4	5940.7	40539.9	55699.3	5606472.1

CLEVELAND

UNREGULATED FORECASTS FOR AREA SOURCES

CDH #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2.)
192	3.77	3.51	9.50	0.25
193	4.26	3.91	12.10	0.25
194	7.36	6.79	11.50	0.25
195	23.05	21.24	11.70	<3.00
196	21.63	19.94	11.30	<3.00
197	16.65	15.22	12.40	0.25
198	6.77	6.29	10.50	0.25
199	11.62	10.68	12.10	0.25
200	10.95	9.98	12.00	0.25
201	2.12	1.97	10.50	0.25
202	13.62	12.52	12.00	0.25
203	12.53	11.52	12.00	0.25
204	8.59	7.98	10.50	0.25
205	14.70	14.09	8.40	<3.00
206	24.24	22.36	11.50	<3.00
207	1.87	1.78	6.10	<3.00
208	9.02	8.32	11.50	0.25
209	22.87	21.01	12.10	0.25
210	16.71	15.35	12.10	0.25
211	16.44	15.25	11.00	0.25
212	9.01	8.42	10.00	0.25
213	8.67	7.99	11.50	0.25
214	14.26	13.15	11.50	0.25
215	33.10	30.41	12.10	0.25
216	22.44	20.62	12.10	0.25
217	14.77	13.67	11.00	0.25
218	14.45	13.36	11.20	0.25
219	8.46	7.78	12.00	0.25
220	7.96	7.35	11.40	<3.00
221	6.04	5.58	11.30	<3.00
222	17.81	16.30	12.70	0.25
223	23.51	21.59	12.20	0.25
224	20.18	18.58	11.30	0.25
225	5.97	5.49	12.00	0.25
226	16.84	15.48	12.00	0.25
227	20.98	19.29	12.00	0.25
228	8.04	7.43	11.30	0.25
229	29.67	27.30	11.40	0.25
230	10.22	9.48	11.40	0.25
231	17.97	16.53	11.40	0.25
232	20.40	18.77	11.40	0.25
233	10.41	9.60	11.50	0.25
234	23.74	21.89	11.50	<3.00
235	4.65	4.30	11.20	<3.00
236	2.63	2.63	.00	0.25
237	1.84	1.75	6.10	0.25
238	21.63	19.90	11.40	0.25
239	24.05	22.10	12.10	0.25

CLEVELAND

UNREGULATED FORECASTS 1985 AREA SOURCES

CDM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	* RESIDENTIAL COMMERCIAL SO2	GRID AREA (KNOTS)
240	22.66	20.95	11.40	0.25
241	22.61	20.79	12.00	0.25
242	15.58	14.35	11.70	0.25
243	5.65	5.28	9.70	0.25
244	2.40	2.40	.00	1.50
245	1.51	1.40	11.10	1.50
246	5.46	5.08	10.20	0.25
247	3.83	3.53	11.40	0.25
248	7.43	6.88	11.00	0.25
249	13.59	12.51	11.40	25.00
250	9.13	8.42	11.50	25.00
251	2.35	2.16	11.40	0.25
252	46.77	44.10	8.30	0.25
253	33.52	30.80	12.10	0.25
254	22.26	20.40	12.50	0.25
255	18.33	16.90	11.60	0.25
256	10.70	9.86	11.60	0.25
257	.90	.83	11.90	0.25
258	2.95	2.87	3.60	0.25
259	.30	.28	10.40	0.25
260	36.20	36.20	.00	0.25
261	49.13	45.20	11.90	0.25
262	26.30	24.20	11.90	0.25
263	12.55	11.52	12.30	25.00
264	73.47	67.46	12.20	0.25
265	6.57	6.04	12.00	0.25
266	1.01	.93	11.90	0.25
267	6.59	6.29	6.50	25.00
268	8.29	7.65	11.40	25.00
269	1.81	1.68	11.00	0.25
270	17.71	16.23	12.50	0.25
271	38.67	35.67	11.50	0.25
272	18.15	16.69	12.00	0.25
273	21.23	19.51	12.10	0.25
274	65.50	60.10	12.30	0.25
275	23.19	21.32	12.00	0.25
276	4.29	3.96	11.50	0.25
277	1.63	1.50	12.10	0.25
278	14.63	13.63	10.00	0.25
279	20.23	18.59	12.10	0.25
280	26.38	24.24	12.10	0.25
281	18.33	16.84	12.10	0.25
282	24.51	22.55	11.90	0.25
283	2.44	2.24	12.00	0.25
284	.30	.28	12.00	0.25
285	43.77	43.77	.00	0.25
286	17.41	16.02	11.90	0.25
287	[illegible]	1.93	11.40	0.25

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UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	* RESIDENTIAL COMMERCIAL SO2	VOID AREA (KM**2)
288	2.26	2.26	.00	0.23
289	25.69	21.64	11.90	0.23
290	12.09	11.10	12.20	0.23
291	8.16	7.52	11.50	0.23
292	11.24	10.34	11.20	0.23
293	18.98	17.51	11.50	0.23
294	18.22	16.75	12.00	0.23
295	3.73	3.44	11.60	0.23
296	9.73	9.09	11.30	0.23
297	23.11	23.11	.00	0.23
298	8.23	7.57	11.90	0.23
299	12.57	11.60	11.50	0.23
300	1.51	1.39	11.50	0.23
301	4.69	4.48	6.50	0.23
302	10.68	9.96	11.40	0.23
303	9.00	8.32	11.20	0.23
304	7.10	6.55	11.50	0.23
305	8.03	7.46	10.50	0.23
306	11.26	10.40	11.40	0.23
307	3.91	3.61	11.50	0.23
308	1.60	1.47	12.50	0.23
309	1.26	1.17	10.20	0.23
310	6.57	6.11	10.20	0.23
311	3.19	2.95	11.30	0.23
312	4.26	3.91	12.20	0.23
313	1.51	1.41	10.80	0.23
314	27.79	25.79	10.60	23.04
315	10.36	9.53	11.90	23.04
316	6.56	6.03	12.80	23.04
317	10.03	9.26	11.40	23.04
318	2.68	2.49	10.70	23.04
319	2.89	2.68	10.90	23.0
320	1.77	1.65	10.10	23.04
321	5.17	4.97	5.50	23.04
322	2.57	2.36	12.10	23.04
323	1.78	1.75	1.30	23.04
324	.89	.89	1.70	23.04
325	4.49	2.46	62.30	23.04
326	2.36	1.66	18.40	23.04
327	.15	.09	51.30	23.04
328	1.45	.87	50.70	23.04
329	1.75	1.10	33.10	23.04
330	13.55	8.31	57.10	23.04
331	1.01	.62	56.30	23.04
332	.92	.56	54.20	23.04
333	.15	.09	57.80	23.04
334	.74	.47	51.30	23.04
335	.81	.59	17.50	23.04

CLEVELAND

UNREGULATED FORECASTS 1985 AREA SOURCES

CDM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	RESIDENTIAL COMMERCIAL SO2	AREA (MILES)
336	4.61	2.91	51.90	25.00
337	3.98	2.47	53.40	25.00
338	2.88	1.78	55.40	25.00
339	3.34	2.37	37.20	25.00
340	.66	.46	34.40	25.00
341	.14	.09	47.00	25.00
342	2.51	1.52	59.20	25.00
343	.48	.44	4.50	25.00
344	7.80	5.14	46.90	25.00
345	17.35	10.66	56.40	25.00
346	1.60	1.11	39.40	25.00
347	.78	.72	7.60	25.00
348	.14	.09	45.30	25.00
349	.12	.09	27.00	25.00
350	.15	.09	56.30	25.00
351	3.63	2.71	30.90	25.00
352	6.28	4.24	43.60	25.00
353	8.43	7.85	6.70	25.00
354	6.94	6.41	7.50	25.00
355	.77	.77	.00	25.00
356	.09	.09	.00	25.00
357	.84	.84	.00	25.00
358	.44	.44	.00	25.00
359	.79	.53	44.80	25.00
360	3.10	2.01	49.10	25.00
361	1.19	1.19	.00	25.00
362	2.93	2.13	33.90	25.00
363	.79	.58	32.10	25.00
364	.54	.54	.00	25.00
365	.64	.56	12.90	25.00
366	.65	.58	10.20	25.00
367	.71	.45	52.20	25.00
368	2.41	1.54	51.00	25.00
369	1.09	.70	50.50	25.00
370	3.70	2.35	51.90	25.00
371	1.15	.80	39.10	25.00
372	.94	.94	.00	25.00
373	.76	.55	51.30	25.00
374	.88	.73	27.30	25.00
375	23.32	14.48	54.30	0.25
376	7.06	4.34	54.90	0.25
377	6.53	4.20	48.50	0.25
378	2.63	1.78	41.70	0.25
379	3.00	3.00	.00	0.25
380	2.20	2.20	.00	0.25
381	.72	.72	.00	0.25
382	4.21	3.00	55.40	25.00
383	3.53	2.20	51.10	0.25

CLEVELAND

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
384	3.25	2.00	54.60	6.25
385	4.88	3.00	54.80	6.25
386	12.50	8.40	42.40	25.00
387	4.80	4.90	.00	25.00
388	3.15	2.40	42.40	25.00
389	2.05	1.56	27.30	6.25
390	2.29	1.51	45.30	6.25
391	9.52	6.10	49.20	25.00
392	5.13	3.38	45.40	25.00
393	3.93	2.49	50.70	25.00
394	3.89	2.54	46.60	25.00
395	.19	.12	48.20	6.25
396	6.28	4.64	31.00	6.25
397	1.50	1.15	26.70	6.25
398	7.16	4.60	48.70	6.25
399	14.59	9.20	51.40	25.00
400	5.35	3.35	52.30	25.00
401	5.77	3.81	45.00	25.00
402	5.27	3.67	34.30	25.00
403	3.17	2.54	21.80	25.00
404	5.86	3.75	49.30	25.00
405	4.18	3.69	11.60	25.00
406	2.25	1.43	50.00	25.00
407	1.57	1.00	50.00	25.00
408	6.47	4.12	50.00	25.00
409	4.60	2.93	50.00	25.00
410	1.73	1.10	50.00	25.00
411	4.02	2.56	50.00	25.00
412	6.39	4.07	50.00	25.00
413	5.72	3.64	50.00	25.00
414	1.57	1.00	50.00	25.00
415	7.56	6.20	30.00	1.50
416	19.69	19.00	5.00	1.50
417	10.43	9.10	20.00	1.50
418	7.51	7.00	10.00	1.50
419	3.21	2.80	20.00	1.50
420	1.55	1.40	15.00	1.50
CUYAHO	1856.15	1717.97	1683.40	1350.00
LORAIN	123.84	87.07	1746.90	1250.00
LAKE	194.84	130.99	1543.60	650.00
TOT 1974		1936.03		
TOT 1985	2174.82		4973.40	1250.00

DATA IGNORED - IN CONTROL MODE

MARKPT PRINT1

• • • • • • UNIVAC 1110 TIME/SHARING EXEC --- MULTI-PROCESSOR SYSTEM --- VER. 32R002R-405C SITE • E.M.A. • • • • • •

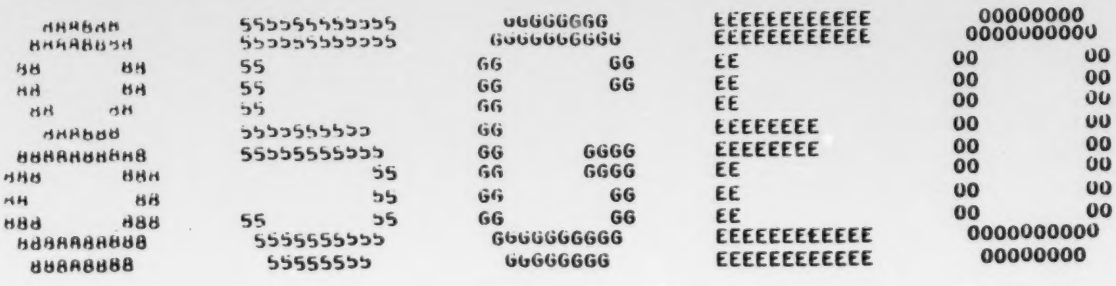
SOURCE CATEGORY IDENTIFICATION AND
UNITS OF ALLOWABLE LIMITATION (CODE)

(1) - FUEL COMBUSTION (DIRECT HEAT EXCHANGER)(UTILITY AND INDUSTRIAL BOILERS)(LBS OF SO2/MMBTU OF RATED OR MAX. HEAT INPUT)
(2) - SULFURIC ACID PLANT (LBS OF SO2/TON OF 100% ACID PRODUCED)(SICC=2819)
(3) - SULFUR RECOVERY PLANT (LBS OF SULFUR/1000 LBS OF SULFUR PROCESSED)(SICC=2820)
(4) - COKE OVEN GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF COG)(SICC=3313, 3314)
(5) - CATALYTIC CRACKING UNITS (LBS OF SO2 PER 1000 LBS OF CHARGING STOCK)(SICC=2990)
(6) - REFINERY TREATING OPERATIONS (PPM SO2 IN EXHAUST GAS)(SICC=2991)
(7) - REFINERY OFF - GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF ORG)(SICC=2993)
(8) - GENERAL PROCESSES (LBS OF SO2/TON PROCESS WT)
(9) - GENERAL PROCESSES (PPM SO2 IN EXHAUST GAS)(SICC=2991)
(10) - INDUSTRIAL PROCESS FUEL COMBUSTION LIMITATION (LBS OF SO2(MMBTU) IF. (COG OR ORG COMBUSTION FOR REFINERY OR IRON & STEEL BOILERS, FURNACES, SOAKING PITS, PROCESS HEATERS OR FLARES)(SICC=2393)

(11) - NON CATEGORY SOURCES

POLITICAL JURISDICTION (CO.)

(1) CUYAHO
(2) LORAIN
(3) LAKE



Xeroxed.

Toledo CSDFP

UNREGULATED
1985
8/27/76

* * * * * * UNIVAC 1110 TIME/SHARING EXEC --- MULTI-PROCESSOR SYSTEM --- VER. 32R002B-405C SITE * E.P.A. * * * * * *

RUNID * BSGEO USER ID * PART NUMBER * 01 INPUT DEVICE * UDR500 OUTPUT DEVICE * DATA0D *

FILE NAME * 80 CREATED AT: 15:11:20 AUG 26,1976 PRINTED AT: 15:38:04 AUG 27,1976

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@ASG,A TOL-APT.
READY

@ASG,A TOL-BAR.
READY

@ASG,A TOLEDO-NL.
READY

@DELETE,C 81.
FURPUR 0026-08/26-15:11

@CAT,P 81.
READY

@ASG,A 81.
READY

@DELETE,C 83.
FURPUR 0026-08/26-15:11

@CAT,P 83.
READY

@ASG,A 83.
READY

@DELETE,C 82.
FURPUR 0026-08/26-15:11

@CAT,P 82.
READY

@ASG,A 82.
READY
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@DELETE,C 84.
FURPUR 0026-08/26-15:11

@CAT,P 84.
READY
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READY

@USE 13.,82.
READY

@USE 14.,84.
READY

@USE 11.,81.
READY

@USE 12.,83.
READY

@USE 9.,TOL-RPT.
READY

@USE 10.,TOL-BAR.
READY

@XQT GOMCSFP.CSDFP7-21

@ADD,P TOLEDODATA.
 CONTROL VARIABLES - KUNIT,IUNIT,LUNIT,MUNIT,FI,NSIMAT,REL,IST,NREG,AR,IARTWO
  6  5 11 12  0  1  0  0  1  1  0
 GROWTH CONTROL VAR.
  1  1  0  1
 GROWTH CONTROL VAR.
  7  2 1973 0  1   LUCAS
 AREA SOR. GROWTH
    .007
    .007
 POINT SOR. SICC SPECIFIC GROWTH
    .093    .024    .028    .017    .030    .022    .001
 SICC CODES
 28 29 34 20 32 33 37
 FORECAST YEAR(S)
 1980 1985
 PROJECTED COMPLIANCE LEVEL
   0    0.    0.
```

UNREGULATED FORECASTS 1985 POINT SOURCES

COM#	CO.	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	EMISSION LIMITATION (UNITS OF REG) SO21973	NUNIT	FUEL HEAT GENERATION RATES, 1985 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
1	(1)	383.90	383.90	3.33	(1)	915.6	.0	.0	915.6	1192.0	.0
2	(1)	382.80	382.80	3.32	(1)	914.4	.0	.0	914.4	1214.0	.0
3	(1)	402.00	402.00	3.32	(1)	958.8	.0	.0	958.8	1217.0	.0
4	(1)	587.50	587.50	3.32	(1)	1401.6	.0	.0	1401.6	1860.0	.0
5	(1)	.40	.40	.48	(1)	.0	6.6	.0	6.6	232.0	.0
6	(1)	39.90	39.90	1.49	(1)	.0	212.8	.0	212.8	475.0	.0
7	(1)	39.80	39.80	1.49	(1)	.0	212.0	.0	212.0	475.0	.0
8	(1)	256.20	256.20	3.91	(1)	519.6	.0	.0	519.6	739.0	.0
9	(1)	1048.00	1048.00	3.92	(1)	2120.7	.0	.0	2120.7	2265.0	.0
10	(1)	3.32	2.50	2.79	(1)	.0	.0	9.5	9.5	15.0	.0
11	(1)	56.97	55.80	2.82	(1)	.0	.0	160.1	160.1	178.0	.0
12	(1)	117.45	97.90	2.82	(1)	.0	.0	330.3	330.3	367.0	.0
13	(1)	14.75	11.10	2.82	(1)	.0	.0	41.5	41.5	75.0	.0
14	(1)	17.64	16.60	2.82	(1)	.0	.0	49.6	49.6	55.0	.0
15	(1)	25.79	19.40	2.82	(1)	.0	.0	72.6	72.6	90.0	.0
16	(1)	62.37	55.20	2.82	(1)	.0	.0	175.4	175.4	195.0	.0
17	(1)	75.10	56.50	2.82	(1)	.0	.0	211.2	211.2	291.0	.0
18	(1)	.40	.30	2.90	(1)	.0	.0	1.1	1.1	7.0	.0
19	(1)	19.17	18.50	2.83	(1)	.0	.0	53.8	53.8	60.0	.0
20	(1)	.53	.40	.90	(1)	.0	.0	4.7	4.7	3.7	.0
21	(1)	153.39	115.40	261.78	(7)	.0	.0	17.3	17.3	.0	.0
22	(1)	160.97	121.10	1.66	(5)	.0	.0	.0	.0	.0	769666.8
23	(1)	2.94	2.40	.59	(8)	.0	.0	.0	.0	.0	78473.5
24	(1)	3.72	2.80	.96	(1)	.0	21.0	9.8	30.8	89.0	.0
25	(1)	3.72	2.80	.96	(1)	.0	21.0	9.8	30.8	89.0	.0
26	(1)	3.72	2.80	.96	(1)	.0	21.0	9.8	30.8	89.0	.0
27	(1)	3.72	2.80	.96	(1)	.0	21.0	9.8	30.8	89.0	.0
28	(1)	9.90	9.00	.93	(1)	.0	66.9	17.2	84.2	84.7	.0
29	(1)	9.90	9.00	.93	(1)	.0	66.9	17.2	84.2	84.7	.0
30	(1)	21.60	20.00	.95	(1)	.0	124.2	55.9	180.1	185.0	.0
31	(1)	3.06	2.80	.95	(1)	.0	17.7	8.0	25.7	26.0	.0
32	(1)	10.17	9.10	.97	(1)	.0	45.1	38.0	83.1	86.6	.0
33	(1)	3.72	2.80	1.02	(1)	.0	.0	28.9	28.9	23.6	.0
34	(1)	.63	.60	.35	(1)	.0	.0	14.1	14.1	12.3	.0
35	(1)	.58	.50	.41	(1)	.0	.0	11.3	11.3	11.4	.0
36	(1)	8.19	7.70	.98	(1)	.0	29.4	36.8	66.1	70.0	.0
37	(1)	15.02	11.30	.99	(1)	.0	45.4	74.7	120.2	100.0	.0
38	(1)	.00	.00	.00	(1)	.0	.0	.1	.1	12.0	.0
39	(1)	7.44	5.60	.93	(1)	.0	56.2	7.5	63.7	198.0	.0
40	(1)	4.39	3.30	.45	(1)	.0	.0	76.7	76.7	86.2	.0
41	(1)	2.66	2.00	.46	(1)	.0	.0	45.6	45.6	52.1	.0
42	(1)	2.26	1.80	.45	(1)	.0	.0	39.5	39.5	44.0	.0
43	(1)	13.14	10.00	6.50	(1)	.0	.0	16.0	16.0	17.7	.0
44	(1)	58.62	44.10	.83	(5)	.0	.0	.0	.0	.0	558275.7
45	(1)	24.13	8.30	140.04	(3)	.0	.0	.0	.0	.0	2732.6

113

	(1)	11.17	8.40	1.09	(1)	.0	81.3	.0	81.3	179.0		2732.6
7	(1)	7.04	5.30	1.08	(1)	.0	51.9	.0	51.9	134.0		.0
48	(1)	3.06	2.30	1.12	(1)	.0	21.7	.0	21.7	69.0		.0

UNREGULATED FORECASTS 1985 POINT SOURCES

CDH#	CO.	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	EMISSION LIMITATION (UNITS OF REG) SO21973	NUNIT	FUEL HEAT GENERATION RATES, 1985 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
49	(1)	3.06	2.30	1.12	(1)	.0	21.7	.0	21.7	69.0	.0
50	(1)	3.06	2.30	1.12	(1)	.0	21.7	.0	21.7	69.0	.0
51	(1)	3.06	2.30	1.12	(1)	.0	21.7	.0	21.7	69.0	.0
52	(1)	7.71	5.80	1.11	(1)	.0	55.0	.0	55.0	158.5	.0
53	(1)	6.78	5.10	1.10	(1)	.0	48.7	.0	48.7	113.3	.0
54	(1)	1.06	.80	1.18	(1)	.0	7.2	.0	7.2	90.0	.0
55	(1)	3.99	3.00	1.10	(1)	.0	28.8	.0	28.8	137.4	.0
56	(1)	3.99	3.00	1.10	(1)	.0	28.8	.0	28.8	137.4	.0
57	(1)	2.79	2.10	1.12	(1)	.0	19.8	.0	19.8	195.0	.0
58	(1)	5.05	3.80	1.10	(1)	.0	36.3	.0	36.3	282.0	.0
59	(1)	1.99	1.50	1.08	(1)	.0	14.6	.0	14.6	103.0	.0
60	(1)	1.06	.80	1.09	(1)	.0	7.7	.0	7.7	69.0	.0
61	(1)	24.19	18.20	1.11	(1)	.0	173.4	.0	173.4	324.0	.0
62	(1)	215.20	161.90	4.22	(8)	.0	.0	.0	.0	.0	808061.5
63	(1)	.10	.10	1.66	(1)	.0	.5	.0	.5	46.0	.0
64	(1)	.40	.40	1.61	(1)	.0	2.0	.0	2.0	46.0	.0
65	(1)	2.60	2.60	1.48	(1)	.0	13.9	.0	13.9	46.0	.0
66	(1)	1.50	1.50	1.50	(1)	.0	7.9	.0	7.9	46.0	.0
67	(1)	.90	.90	1.50	(1)	.0	4.7	.0	4.7	46.0	.0
68	(1)	10.30	10.30	1.95	(1)	.0	17.0	24.9	41.9	164.0	.0
69	(1)	9.40	9.40	1.95	(1)	.0	15.5	22.8	38.3	164.0	.0
70	(1)	34.50	34.50	4.41	(1)	.0	47.2	14.8	62.0	100.0	.0
71	(1)	.10	.10	2.57	(1)	.0	.3	.0	.3	4.5	.0
72	(1)	.00	.00	.00	(1)	.0	.2	.0	.2	2.5	.0
73	(1)	21.15	19.70	23.01	(2)	.0	.0	.0	.0	.0	14579.5
74	(1)	41.28	14.20	25.96	(2)	.0	.0	.0	.0	.0	25215.1
75	(1)	27.80	27.80	6.43	(1)	.0	.0	34.3	34.3	70.0	.0
76	(1)	27.80	27.80	6.43	(1)	.0	.0	34.3	34.3	70.0	.0
77	(1)	8.50	8.50	6.05	(10)	.0	.0	11.1	11.1	.0	8600.0
78	(1)	8.50	8.50	6.05	(10)	.0	.0	11.1	11.1	.0	8600.0
79	(1)	13.80	13.80	.00	(11)	.0	.0	23.7	23.7	.0	35800.0
80	(1)	13.02	6.40	1.02	(1)	101.1	.0	.0	101.1	135.0	.0
81	(1)	13.02	6.40	1.02	(1)	101.1	.0	.0	101.1	135.0	.0
82	(1)	4.68	2.80	1.03	(1)	36.1	.0	.0	36.1	40.0	.0
83	(1)	4.68	2.80	1.03	(1)	36.1	.0	.0	36.1	40.0	.0
84	(1)	4.48	2.20	1.02	(1)	34.9	.0	.0	34.9	40.0	.0
85	(1)	4.48	2.20	1.02	(1)	34.9	.0	.0	34.9	40.0	.0
86	(1)	4.48	2.20	1.02	(1)	34.9	.0	.0	34.9	40.0	.0
87	(1)	4.48	2.20	1.02	(1)	34.9	.0	.0	34.9	40.0	.0
88	(1)	5.29	2.60	3.97	(1)	10.6	.0	.0	10.6	48.0	.0
89	(1)	5.29	2.60	3.97	(1)	10.6	.0	.0	10.6	48.0	.0
90	(1)	5.20	5.20	5.87	(1)	7.0	.0	.0	7.0	55.0	.0
91	(1)	10.50	10.50	5.82	(1)	14.3	.0	.0	14.3	93.0	.0
92	(1)	10.50	10.50	5.82	(1)	14.3	.0	.0	14.3	93.0	.0

	[illegible]	[illegible]	.00	(11)	.0	.0	23.7	23.7	.0	35800.0
	(1)	13.02	6.40	1.02	(1)	101.1	.0	.0	101.1	135.0	.0
	(1)	13.02	6.40	1.02	(1)	101.1	.0	.0	101.1	135.0	.0
[illegible]	(1)	4.68	2.80	1.03	(1)	36.1	.0	.0	36.1	40.0	.0
83	(1)	4.68	2.80	1.03	(1)	36.1	.0	.0	36.1	40.0	.0
84	(1)	4.48	2.20	1.02	(1)	34.9	.0	.0	34.9	40.0	.0
85	(1)	4.48	2.20	1.02	(1)	34.9	.0	.0	34.9	40.0	.0
86	(1)	4.48	2.20	1.02	(1)	34.9	.0	.0	34.9	40.0	.0
87	(1)	4.48	2.20	1.02	(1)	34.9	.0	.0	34.9	40.0	.0
88	(1)	5.29	2.60	3.97	(1)	10.6	.0	.0	10.6	48.0	.0
89	(1)	5.29	2.60	3.97	(1)	10.6	.0	.0	10.6	48.0	.0
90	(1)	5.20	5.20	5.87	(1)	7.0	.0	.0	7.0	55.0	.0
91	(1)	10.50	10.50	5.82	(1)	14.3	.0	.0	14.3	93.0	.0
92	(1)	10.50	10.50	5.82	(1)	14.3	.0	.0	14.3	93.0	.0
93	(1)	3.51	2.70	.83	(1)	.0	33.3	.0	33.3	228.0	.0
94	(1)	3.51	2.70	.83	(1)	.0	33.3	.0	33.3	228.0	.0
95	(1)	3.51	2.70	.83	(1)	.0	33.3	.0	33.3	228.0	.0
96	(1)	2.21	1.70	.00	(4)	.0	.0	.0	.0	.0	87512.6

UNREGULATED FORECASTS 1985 POINT SOURCES

CDM#	CO.	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	EMISSION LIMITATION (UNITS OF REG) SO21973	NUNIT	FUEL HEAT GENERATION RATES, 1985 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
97	(1)	.10	.10	.00	(11)	.0	.0	.0	.0	.0	.0
98	(1)	2.33	.80	.99	(1)	.0	18.5	.0	18.5	30.0	.0
99	(1)	2.33	.80	.99	(1)	.0	18.5	.0	18.5	30.0	.0
100	(1)	7.20	3.70	.97	(1)	.0	58.8	.0	58.8	66.0	.0
101	(1)	1.26	1.20	.94	(1)	.0	10.6	.0	10.6	11.5	.0
102	(1)	1.26	1.20	.94	(1)	.0	10.6	.0	10.6	11.5	.0
103	(1)	1.26	1.20	.94	(1)	.0	10.6	.0	10.6	11.5	.0
104	(1)	.42	.30	1.53	(1)	2.2	.0	.0	2.2	12.4	.0
105	(1)	.42	.30	1.53	(1)	2.2	.0	.0	2.2	12.4	.0
106	(1)	1.53	1.10	1.34	(1)	9.1	.0	.0	9.1	50.5	.0
107	(1)	1.67	1.20	1.26	(1)	10.5	.0	.0	10.5	57.7	.0
108	(1)	2.04	1.00	1.05	(1)	15.3	.0	.0	15.3	37.0	.0
109	(1)	2.04	1.00	1.05	(1)	15.3	.0	.0	15.3	37.0	.0
110	(1)	.80	.80	1.04	(1)	.0	6.1	.0	6.1	55.0	.0
111	(1)	.80	.80	1.04	(1)	.0	6.1	.0	6.1	55.0	.0
112	(1)	.30	.30	1.00	(1)	.0	2.4	.0	2.4	55.0	.0
113	(1)	.70	.50	1.34	(1)	4.1	.0	.0	4.1	7.2	.0
114	(1)	.70	.50	1.34	(1)	4.1	.0	.0	4.1	7.2	.0
115	(1)	.70	.50	1.34	(1)	4.1	.0	.0	4.1	7.2	.0
116	(1)	.40	.40	.88	(1)	.0	3.6	.0	3.6	16.5	.0
117	(1)	.40	.40	.88	(1)	.0	3.6	.0	3.6	16.5	.0
118	(1)	.40	.40	.88	(1)	.0	3.6	.0	3.6	16.5	.0
119	(1)	.12	.10	1.17	(1)	.0	.8	.0	.8	4.2	.0
120	(1)	.12	.10	1.17	(1)	.0	.8	.0	.8	4.2	.0
121	(1)	.12	.10	1.17	(1)	.0	.8	.0	.8	4.2	.0
122	(1)	.12	.10	1.17	(1)	.0	.8	.0	.8	4.2	.0
123	(1)	.21	.20	.03	(8)	.0	.0	.0	.0	.0	110893.0
124	(1)	.27	.20	1.54	(1)	.0	1.4	.0	1.4	12.5	.0
125	(0)	33.30	33.30	.00	(1)	.0	.0	.0	.0	.0	.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

		1.26	1.20	.94	(1)	.0	10.6	.0	10.6	11.5	.0	
		1.26	1.20	.94	(1)	.0	10.6	.0	10.6	11.5	.0	
	(1)	.42	.40	1.51	(1)	2.2	.0	.0	2.2	12.4	.0	
	(1)	.42	.40	1.51	(1)	2.2	.0	.0	2.2	12.4	.0	
06	(1)	1.51	1.10	1.34	(1)	9.1	.0	.0	9.1	50.5	.0	
107	(1)	1.67	1.20	1.26	(1)	10.5	.0	.0	10.5	57.7	.0	
108	(1)	2.04	1.00	1.05	(1)	15.3	.0	.0	15.3	37.0	.0	
109	(1)	2.04	1.00	1.05	(1)	15.3	.0	.0	15.3	37.0	.0	
110	(1)	.80	.80	1.04	(1)	.0	6.1	.0	6.1	55.0	.0	
111	(1)	.80	.80	1.04	(1)	.0	6.1	.0	6.1	55.0	.0	
112	(1)	.30	.30	1.00	(1)	.0	2.4	.0	2.4	55.0	.0	
113	(1)	.70	.50	1.34	(1)	4.1	.0	.0	4.1	7.2	.0	
114	(1)	.70	.50	1.34	(1)	4.1	.0	.0	4.1	7.2	.0	
115	(1)	.70	.50	1.34	(1)	4.1	.0	.0	4.1	7.2	.0	
116	(1)	.40	.40	.88	(1)	.0	3.6	.0	3.6	16.5	.0	
117	(1)	.40	.40	.88	(1)	.0	3.6	.0	3.6	16.5	.0	
118	(1)	.40	.40	.88	(1)	.0	3.6	.0	3.6	16.5	.0	
119	(1)	.12	.10	1.17	(1)	.0	.8	.0	.8	4.2	.0	
120	(1)	.12	.10	1.17	(1)	.0	.8	.0	.8	4.2	.0	
121	(1)	.12	.10	1.17	(1)	.0	.8	.0	.8	4.2	.0	
122	(1)	.12	.10	1.17	(1)	.0	.8	.0	.8	4.2	.0	
123	(1)	.21	.20	.03	(8)	.0	.0	.0	.0	.0	110893.0	
124	(1)	.27	.20	1.54	(1)	.0	1.4	.0	1.4	12.5	.0	
125	(0)	33.30	33.30	.00	(1)	.0	.0	.0	.0	.0	.0	
126	(0)	65.60	65.60	29.73	(1)	.0	.0	.0	.0	25.0	.0	
127	(0)	128.40	128.40	58.19	(1)	.0	.0	.0	.0	25.0	.0	
128	(0)	128.40	128.40	58.19	(1)	.0	.0	.0	.0	25.0	.0	
129	(0)	128.40	128.40	41.56	(1)	.0	.0	.0	.0	35.0	.0	
130	(0)	15.50	15.50	9.76	(1)	.0	.0	.0	.0	18.0	.0	
131	(0)	2784.50	2784.50	265.09	(1)	.0	.0	.0	.0	119.0	.0	
132	(0)	2784.50	2784.50	.00	(1)	.0	.0	.0	.0	.0	.0	
133	(0)	42.40	42.40	.00	(1)	.0	.0	.0	.0	.0	.0	
134	(1)	3.00	3.00	1.09	(1)	.0	21.7	.0	21.7	51.8	.0	
135	(1)	3.00	3.00	1.09	(1)	.0	21.7	.0	21.7	51.8	.0	
136	(1)	3.00	3.00	1.09	(1)	.0	21.7	.0	21.7	51.8	.0	
137	(1)	3.80	3.80	1.11	(1)	.0	27.3	.0	27.3	65.1	.0	
138	(1)	14.09	10.60	1.10	(1)	.0	101.4	.0	101.4	182.0	.0	
139	(1)	17.15	12.90	1.11	(1)	.0	123.0	.0	123.0	221.0	.0	
140	(1)	.14	.10	.00	(1)	.0	.0	.0	.0	.0	.0	
141	(1)	.14	.10	.00	(1)	.0	.0	.0	.0	.0	.0	
142	(1)	6.87	5.50	.00	(1)	.0	.0	.0	.0	.0	.0	
143	(1)	11.33	7.95	.30	(1)	.0	.0	.0	.0	300.0	.0	
144	(1)	13.07	9.17	.36	(1)	.0	.0	.0	.0	291.0	.0	
	LUC	4782.90	4428.52			7368.5	2291.2	1831.1	11490.7	19085.1	2508410.2	
TOT 1973			10539.52			7129.0	1923.4	1563.3	10615.7	19085.1	1921790.0	
TOT 1985		10893.90				7368.5	2291.2	1831.1	11490.7	19085.1	2508410.2	

LUC	4782.90	4428.62	7368.5	2291.2	1831.1	11490.7	19085.1	2508410.2
TOT 1973		10539.52	7129.0	1923.4	1563.3	10615.7	19085.1	1921790.0
TOT 1985	10893.90		7368.5	2291.2	1831.1	11490.7	19085.1	2508410.2

SOURCE CATEGORY IDENTIFICATION AND
UNITS OF ALLOWABLE LIMITATION (NUNIT)

(1) - FUEL COMBUSTION (DIRECT HEAT EXCHANGER)(UTILITY AND INDUSTRIAL BOILERS)(LBS OF SO2/MMBTU OF RATED OR MAX. HEAT INPUT)
(2) - SULFURIC ACID PLANT (LBS OF SO2/TON OF 100% ACID PRODUCED)(SICC=2819)
(3) - SULFUR RECOVERY PLANT (LBS OF SULFUR/1000 LBS OF SULFUR PROCESSED)(SICC=2820)
(4) - COKE OVEN GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF COG)(SICC=3313, 3314)
(5) - CATALYTIC CRACKING UNITS (LBS OF SO2 PER 1000 LBS OF CHARGING STOCK)(SICC=2990)
(6) - REFINERY TREATING OPERATIONS (PPM SO2 IN EXHAUST GAS)(SICC=2991)
(7) - REFINERY OFF - GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF DNG)(SICC=2993)
(8) - GENERAL PROCESSES (LBS OF SO2/TON PROCESS WT)
(9) - GENERAL PROCESSES (PPM SO2 IN EXHAUST GAS)(SICC=2001)
(10) - INDUSTRIAL PROCESS FUEL COMBUSTION LIMITATION (LBS OF SO2(MMBTU) IE. (COG OR ORG COMBUSTION FOR REFINERY OR IRON & STEEL BOILERS, FURNACES, SOAKING PITS, PROCESS HEATERS OR FLARES)(SICC=2393)

(11) - NON CATEGORY SOURCES

POLITICAL JURISDICTION (CO.)

(1) LUC

UNREGULATED FORECASTS 1985 AREA SOURCES

CDH #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
145	1.50	1.50	.00	100.00
146	2.32	2.32	.00	100.00
147	.57	.57	.00	100.00
148	.77	.77	.00	100.00
149	.39	.39	.00	25.00
150	.36	.36	.00	6.25
151	.03	.03	.00	6.25
152	.90	.90	.00	25.00
153	.93	.93	.00	25.00
154	.03	.03	.00	6.25
155	.26	.26	.00	6.25
156	.76	.76	.00	25.00
157	.07	.07	.00	25.00
158	2.10	2.10	.00	25.00
159	.07	.07	.00	25.00
160	1.89	1.89	.00	25.00
161	2.71	2.71	.00	25.00
162	.37	.37	.00	25.00
163	.03	.03	.00	6.25
164	.03	.03	.00	6.25
165	2.26	2.26	.00	100.00
166	1.50	1.50	.00	100.00
167	.30	.30	.00	25.00
168	.27	.27	.00	25.00
169	.86	.86	.00	25.00
170	2.35	2.35	.00	25.00
171	.62	.62	.00	25.00
172	.86	.86	.00	25.00
173	2.83	2.83	.00	25.00
174	.03	.03	.00	6.25
175	1.06	1.06	.00	6.25
176	.28	.28	.00	9.00
177	.06	.06	.00	4.00
178	.15	.15	.00	25.00
179	.59	.59	.00	25.00
180	1.90	1.90	.00	100.00
181	1.98	1.98	.00	100.00
182	1.43	1.43	.00	100.00
183	.06	.06	.00	4.00
184	.88	.88	.00	6.25
185	1.90	1.90	.00	6.25
186	5.26	5.26	.00	9.00
187	.06	.06	.00	4.00
188	.35	.35	.00	4.00
189	1.52	1.52	.00	6.25
190	.56	.56	.00	25.00
191	.61	.61	.00	25.00
192	.19	.19	.00	4.00

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
193	.20	.20	.00	4.00
194	.24	.24	.00	4.00
195	.38	.38	.00	4.00
196	.01	.01	.00	1.00
197	.73	.73	.00	1.00
198	1.08	1.08	.00	1.00
199	.94	.94	.00	1.00
200	.01	.01	.00	1.00
201	.01	.01	.00	1.00
202	.61	.61	.00	1.00
203	3.35	3.35	.00	4.00
204	.93	.83	.00	25.00
205	.15	.15	.00	25.00
206	.50	.50	.00	1.00
207	.17	.17	.00	1.00
208	.01	.01	.00	1.00
209	.82	.82	.00	1.00
210	.82	.82	.00	1.00
211	1.21	1.21	.00	1.00
212	1.63	1.63	.00	1.00
213	.01	.01	.00	1.00
214	.01	.01	.00	1.00
215	2.96	2.96	.00	4.00
216	.39	.39	.00	4.00
217	1.02	1.02	.00	1.00
218	.85	.85	.00	1.00
219	.43	.43	.00	4.00
220	.19	.19	.00	1.00
221	.49	.49	.00	1.00
222	1.31	1.31	.00	4.00
223	.43	.43	.00	1.00
224	.01	.01	.00	1.00
225	.01	.01	.00	1.00
226	.87	.87	.00	1.00
227	.01	.01	.00	1.00
228	1.70	1.70	.00	1.00
229	.01	.01	.00	1.00
230	.01	.01	.00	1.00
231	2.37	2.37	.00	6.25
232	.21	.21	.00	6.25
233	.51	.51	.00	1.00
234	5.77	5.77	.00	1.00
235	2.74	2.74	.00	4.00
236	2.79	2.79	.00	4.00
237	.62	.62	.00	1.00
238	.01	.01	.00	1.00
239	.62	.62	.00	1.00
240	.01	.01	.00	1.00

UNREGULATED FORECASTS 1985 AREA SOURCES

CDM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
241	1.23	1.23	.00	1.00
242	.63	.63	.00	1.00
243	.01	.01	.00	1.00
244	.17	.17	.00	1.00
245	2.17	2.17	.00	1.00
246	2.02	2.02	.00	1.00
247	.87	.87	.00	1.00
248	.27	.27	.00	1.00
249	.49	.49	.00	1.00
250	.54	.54	.00	4.00
251	.20	.20	.00	1.00
252	.56	.56	.00	1.00
253	1.93	1.93	.00	1.00
254	3.10	3.10	.00	4.00
255	.01	.01	.00	1.00
256	.77	.77	.00	1.00
257	.01	.01	.00	1.00
258	.36	.36	.00	1.00
259	.01	.01	.00	1.00
260	1.13	1.13	.00	1.00
261	.98	.98	.00	1.00
262	.69	.69	.00	1.00
263	.01	.01	.00	1.00
264	1.28	1.28	.00	1.00
265	.01	.01	.00	1.00
266	.79	.79	.00	1.00
267	.01	.01	.00	1.00
268	1.06	1.06	.00	100.00
269	.89	.89	.00	100.00
270	.41	.41	.00	100.00
271	1.75	1.75	.00	100.00
272	5.18	5.18	.00	25.00
273	.55	.55	.00	1.00
274	5.73	5.73	.00	4.00
275	.57	.57	.00	1.00
276	.01	.01	.00	1.00
277	.01	.01	.00	1.00
278	1.98	1.98	.00	1.00
279	.01	.01	.00	1.00
280	.90	.90	.00	1.00
281	1.39	1.39	.00	1.00
282	.64	.64	.00	1.00
283	.01	.01	.00	1.00
284	2.99	2.99	.00	1.00
285	.76	.76	.00	1.00
286	2.18	2.18	.00	1.00
287	1.67	1.67	.00	1.00
288	.38	.38	.00	1.00

REGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
289	.03	.03	.00	1.00
290	2.67	2.67	.00	25.00
291	.91	.91	.00	25.00
292	1.69	1.69	.00	100.00
293	1.78	1.78	.00	100.00
294	1.06	1.06	.00	100.00
295	1.40	1.40	.00	1.00
296	6.66	6.66	.00	4.00
297	.01	.01	.00	1.00
298	.33	.33	.00	1.00
299	.01	.01	.00	1.00
300	.78	.78	.00	1.00
301	.01	.01	.00	1.00
302	1.17	1.17	.00	1.00
303	.83	.83	.00	1.00
304	1.11	1.11	.00	1.00
305	.01	.01	.00	1.00
306	.90	.90	.00	1.00
307	1.87	1.87	.00	1.00
308	.43	.43	.00	1.00
309	1.14	1.14	.00	1.00
310	.29	.29	.00	1.00
311	1.53	1.53	.00	1.00
312	.01	.01	.00	1.00
313	.01	.01	.00	1.00
314	1.28	1.28	.00	1.00
315	1.56	1.56	.00	1.00
316	.94	.94	.00	1.00
317	.01	.01	.00	1.00
318	1.85	1.85	.00	1.00
319	1.15	1.15	.00	1.00
320	1.42	1.42	.00	1.00
321	2.41	2.41	.00	1.00
322	2.27	2.27	.00	1.00
323	2.30	2.30	.00	1.00
324	1.82	1.82	.00	1.00
325	1.57	1.57	.00	1.00
326	.87	.87	.00	1.00
327	1.42	1.42	.00	1.00
328	.38	.38	.00	4.00
329	.40	.40	.00	4.00
330	.01	.01	.00	1.00
331	3.36	3.36	.00	4.00
332	.43	.43	.00	1.00
333	2.06	2.06	.00	1.00
334	.48	.48	.00	1.00
335	.62	.62	.00	1.00
336	1.95	1.95	.00	1.00

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	* RESIDENTIAL COMMENCIAL SO2	GRID AREA (KM**2)
337	.01	.01	.00	1.00
338	2.24	2.24	.00	1.00
339	1.74	1.74	.00	1.00
340	2.90	2.90	.00	1.00
341	3.40	3.40	.00	1.00
342	2.45	2.45	.00	1.00
343	1.21	1.21	.00	1.00
344	1.41	1.41	.00	1.00
345	1.46	1.46	.00	1.00
346	2.67	2.67	.00	1.00
347	1.09	1.09	.00	1.00
348	.94	.94	.00	1.00
349	4.15	4.15	.00	1.00
350	2.77	2.77	.00	1.00
351	1.55	1.55	.00	1.00
352	2.26	2.26	.00	1.00
353	1.87	1.87	.00	1.00
354	.82	.82	.00	1.00
355	1.28	1.28	.00	1.00
356	2.36	2.36	.00	4.00
357	1.11	1.11	.00	1.00
358	.03	.03	.00	1.00
359	.65	.65	.00	1.00
360	2.64	2.64	.00	4.00
361	1.04	1.04	.00	1.00
362	1.42	1.42	.00	1.00
363	1.84	1.84	.00	1.00
364	4.18	4.18	.00	1.00
365	3.72	3.72	.00	1.00
366	1.75	1.75	.00	1.00
367	1.42	1.42	.00	1.00
368	.01	.01	.00	1.00
369	4.34	4.34	.00	1.00
370	4.98	4.98	.00	1.00
371	.01	.01	.00	1.00
372	.29	.29	.00	1.00
373	.03	.03	.00	1.00
374	2.29	2.29	.00	25.00
375	.75	.75	.00	25.00
376	.00	.00	.00	4.00
377	.00	.00	.00	1.00
378	.01	.01	.00	1.00
379	3.97	3.97	.00	1.00
380	1.06	1.06	.00	1.00
381	5.12	5.12	.00	1.00
382	4.33	4.33	.00	1.00
383	2.58	2.58	.00	1.00
384	2.80	2.80	.00	1.00

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
385	1.19	1.19	.00	1.00
386	2.16	2.16	.00	1.00
387	2.60	2.60	.00	1.00
388	1.14	1.14	.00	1.00
389	2.44	2.44	.00	4.00
390	.06	.06	.00	4.00
391	1.66	1.66	.00	4.00
392	.01	.01	.00	1.00
393	3.41	3.41	.00	1.00
394	2.45	2.45	.00	1.00
395	1.82	1.82	.00	1.00
396	2.81	2.81	.00	1.00
397	4.07	4.07	.00	1.00
398	5.18	5.18	.00	1.00
399	3.78	3.78	.00	1.00
400	1.41	1.41	.00	1.00
401	2.37	2.37	.00	1.00
402	1.19	1.19	.00	1.00
403	.20	.20	.00	4.00
404	.39	.39	.00	1.00
405	.47	.47	.00	1.00
406	.01	.01	.00	1.00
407	1.40	1.40	.00	1.00
408	.21	.21	.00	1.00
409	1.72	1.72	.00	1.00
410	4.18	4.18	.00	1.00
411	2.67	2.67	.00	1.00
412	3.87	3.87	.00	1.00
413	.01	.01	.00	1.00
414	3.10	3.10	.00	16.00
415	.76	.76	.00	4.00
416	1.63	1.63	.00	1.00
417	1.35	1.35	.00	1.00
418	3.00	3.00	.00	1.00
419	.91	.91	.00	1.00
420	1.98	1.98	.00	1.00
421	2.20	2.20	.00	1.00
422	3.86	3.86	.00	1.00
423	2.46	2.46	.00	1.00
424	.47	.47	.00	1.00
425	1.35	1.35	.00	100.00
426	2.64	2.64	.00	100.00
427	1.41	1.41	.00	100.00
428	2.54	2.54	.00	100.00
429	.62	.62	.00	25.00
430	1.91	1.91	.00	0.25
431	.20	.20	.00	0.25
432	1.70	1.70	.00	1.00

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
433	3.62	3.62	.00	1.00
434	3.53	3.53	.00	1.00
435	2.35	2.35	.00	1.00
436	.89	.89	.00	1.00
437	2.73	2.73	.00	1.00
438	.98	.98	.00	1.00
439	1.09	1.09	.00	1.00
440	.01	.01	.00	1.00
441	.42	.42	.00	4.00
442	1.45	1.45	.00	25.00
443	.43	.43	.00	25.00
444	.97	.97	.00	25.00
445	.15	.15	.00	25.00
446	1.90	1.90	.00	100.00
447	1.32	1.32	.00	100.00
448	.66	.66	.00	1.00
449	.54	.54	.00	1.00
450	2.26	2.26	.00	1.00
451	1.42	1.42	.00	1.00
452	1.01	1.01	.00	1.00
453	.29	.29	.00	1.00
454	1.08	1.08	.00	1.00
455	.37	.37	.00	1.00
456	.17	.17	.00	1.00
457	.81	.81	.00	1.00
458	.67	.67	.00	1.00
459	.76	.76	.00	1.00
460	1.30	1.30	.00	1.00
461	.36	.36	.00	1.00
462	1.98	1.98	.00	1.00
463	.72	.72	.00	1.00
464	1.09	1.09	.00	1.00
465	1.15	1.15	.00	1.00
466	1.28	1.28	.00	1.00
467	.61	.61	.00	1.00
468	1.54	1.54	.00	1.00
469	.01	.01	.00	1.00
470	.06	.06	.00	4.00
471	.39	.39	.00	6.25
472	1.34	1.34	.00	6.25
473	.62	.62	.00	4.00
474	1.08	1.08	.00	1.00
475	1.12	1.12	.00	1.00
476	.25	.25	.00	1.00
477	.89	.89	.00	1.00
478	1.36	1.36	.00	4.00
479	1.09	1.09	.00	4.00
480	1.80	1.80	.00	1.00

UNREGULATED FORECAST - 1985 AREA SOURCES

CDM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
481	.29	.29	.00	1.00
482	.01	.01	.00	1.00
483	.54	.54	.00	1.00
484	.01	.01	.00	1.00
485	.27	.27	.00	1.00
486	.01	.01	.00	1.00
487	.62	.62	.00	1.00
488	1.47	1.47	.00	1.00
489	.61	.61	.00	1.00
490	.39	.39	.00	4.00
491	.47	.47	.00	25.00
492	.91	.91	.00	6.25
493	.48	.48	.00	6.25
494	.37	.37	.00	6.25
495	1.20	1.20	.00	6.25
496	.03	.03	.00	6.25
497	.75	.75	.00	6.25
498	1.06	1.06	.00	9.00
499	1.34	1.34	.00	25.00
500	.78	.78	.00	25.00
501	.99	.99	.00	25.00
502	2.49	2.49	.00	16.00
503	.03	.03	.00	1.00
504	.03	.03	.00	1.00
505	.03	.03	.00	1.00
506	.21	.21	.00	6.25
507	.03	.03	.00	6.25
508	1.56	1.56	.00	6.25
509	.30	.30	.00	6.25
510	.34	.34	.00	6.25
511	.03	.03	.00	1.00
512	.44	.44	.00	1.00
513	.94	.94	.00	1.00
514	.90	.90	.00	1.00
515	.03	.03	.00	1.00
516	.97	.97	.00	1.00
517	.85	.85	.00	25.00
518	.03	.03	.00	6.25
519	.37	.37	.00	6.25
520	1.01	1.01	.00	25.00
521	.03	.03	.00	1.00
522	.37	.37	.00	1.00
523	.75	.75	.00	1.00
524	.03	.03	.00	1.00
525	.03	.03	.00	1.00
526	.33	.33	.00	6.25
527	1.03	1.03	.00	6.25
528	.59	.59	.00	25.00

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
529	1.34	1.34	.00	25.00
530	.15	.15	.00	25.00
531	.37	.37	.00	1.00
532	1.76	1.76	.00	1.00
533	.93	.93	.00	1.00
534	1.13	1.13	.00	1.00
535	1.13	1.13	.00	1.00
536	.03	.03	.00	1.00
537	.33	.33	.00	1.00
538	.03	.03	.00	1.00
539	.93	.93	.00	1.00
540	.52	.52	.00	1.00
541	.03	.03	.00	6.25
542	.52	.52	.00	6.25
543	.07	.07	.00	6.25
544	.03	.03	.00	1.00
545	.03	.03	.00	1.00
546	.62	.62	.00	1.00
547	.03	.03	.00	1.00
548	.03	.03	.00	1.00
549	.03	.03	.00	1.00
550	.03	.03	.00	1.00
551	.03	.03	.00	1.00
552	.03	.03	.00	1.00
553	.03	.03	.00	1.00
554	1.41	1.41	.00	25.00
555	1.24	1.24	.00	25.00
556	.78	.78	.00	6.25
557	.07	.07	.00	6.25
558	.15	.15	.00	25.00
559	.97	.97	.00	25.00
560	.81	.81	.00	25.00
561	1.04	1.04	.00	6.25
562	.93	.93	.00	6.25
563	.83	.83	.00	25.00
564	.76	.76	.00	25.00
565	1.13	1.13	.00	25.00
566	1.51	1.51	.00	25.00
LUC	473.47	473.47	.00	4205.75
TOT 1973		473.47		
TOT 1985	473.47		.00	4205.75

#PMD.E

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#US*ER.COPIE.EK .11.
 COPIE LEVEL 3.8 VER 003 -08/26/76 -15:12:23
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CDM - AKRON

UNREGULATED 1985

PROJECTIONS

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best available copy.

App A 1 b.

AKRON CDM 1985 unregulated

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18
                                    CDMI VERSION 76130,  RUN    10
18:>ln
last
@BRKPT PRINT$
1077:>lnp 18 1077
18:                                 CDMI VERSION 76130,  RUN    10
19: THE CENTRAL WIND SPEEDS OF THE SIX WIND SPEED CLASSES (U):
20:          .150000+01        .245872+01        .447040+01        .692912+01        .961136+01        .125171+02

21: THE EXPONENTIAL OF THE VERTICAL WIND PROFILE BY STABILITY CLASS (UE):
22:          .100000+00        .150000+00        .200000+00        .250000+00        .250000+00        .300000+00

23: THE INITIAL SIGMA Z FOR AREA SOURCES BY STABILITY CLASS (SZA):
24:          .100000+02        .100000+02        .100000+02        .100000+02        .100000+02        .100000+02

25: THE CLIMATOLOGICAL MEAN NOCTURNAL AND AFTERNOON MIXING HEIGHTS (HMIN,HT):
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121<

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26:          .540000+03        .133000+04
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27: THE DAY AND NIGHT EMISSION WEIGHT FA
28:            .114000+01            .860000+00
29: THE X-MIN AND Y-MIN OF THE AREA EMISSION INVENTORY GRID (XG,YG):
30:            .437000+03            .452300+04
31: THE WIDTH OF A BASIC AREA SOURCE SQUARE (TXX):
32:            .100000+04
33: THE NUMBER OF SUB-SECTORS CONSIDERED IN A 22.5 DEGREE SECTOR, AND ANGULAR WIDTH OF A SUB-SECTOR (DINT,THETA):
34:            .400000+01            .562500+01
35: THE INITIAL RADIAL INCREMENT (DELR):
36:            .500000+03
37: THE RADIAL INCREMENT FACTORS (INC):
38:                  1                     2                     4                     4
39: THE RATIO OF EMISSION GRID TO MAP GRID (RAT):
40:            .250000+01
41: THE GRID CONVERSION FACTOR (CV):
42:            .100000+04
43: THE AMBIENT AIR TEMPERATURE (TOA):
44:            .284560+03
45: THE DECAY RATE HALF LIFE FOR P 1 AND P 2 (CB):
46:            .400000+01            .999990+06
47: INTERCEPTS FOR P 1 AND P 2 (CA):
48:            .220000+02            .000000
49: SLOPES FOR P 1 AND P 2 (CB AND CC):
50:            .470000+00            .000000            .470000+00            .000000
51: THE SIGMA Z COEFFICIENT TABLE (G):
52:            .253900-03            .253900-03            .383900-01            .208860+01            .208860+01            .128120+01
53:            .493600-01            .493600-01            .139300+00            .111370+01            .111370+01            .946700+00
54:            .115400+00            .101400+00            .112000+00            .910900+00            .926000+00            .910000+00
55:            .736800+00            .259100+00            .856000-01            .564200+00            .686900+00            .865000+00
56:            .129690+01            .252700+00            .818000-01            .442100+00            .634100+00            .815500+00
57:                                                  CDMI VERSION 76130,  RUN    10
58: SECTOR          U1                    U2                    U3                    U4                    U5                    U6
59:                                                  THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS  1
60:   1          .220000-03            .230000-03            .000000               .000000               .000000               .000000
61:   2          .120000-03            .900000-04            .000000               .000000               .000000               .000000
62:   3          .200000-03            .180000-03            .000000               .000000               .000000               .000000
63:   4          .250000-03            .210000-03            .000000               .000000               .000000               .000000
64:   5          .370000-03            .180000-03            .000000               .000000               .000000               .000000
65:   6          .210000-03            .140000-03            .000000               .000000               .000000               .000000
66:   7          .190000-03            .230000-03            .000000               .000000               .000000               .000000
67:   8          .170000-03            .250000-03            .000000               .000000               .000000               .000000
68:   9          .270000-03            .250000-03            .000000               .000000               .000000               .000000
69:  10          .150000-03            .160000-03            .000000               .000000               .000000               .000000
70:  11          .370000-03            .430000-03            .000000               .000000               .000000               .000000
71:  12          .280000-03            .340000-03            .000000               .000000               .000000               .000000
72:  13          .120000-03            .160000-03            .000000               .000000               .000000               .000000
73:  14          .150000-03            .160000-03            .000000               .000000               .000000               .000000
74:  15          .260000-03            .300000-03            .000000               .000000               .000000               .000000
75:  16          .210000-03            .210000-03            .000000               .000000               .000000               .000000
76:                                                  THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS  2
77:   1          .300000-03            .800000-03            .660000-03            .000000               .000000               .000000
78:   2          .390000-03            .690000-03            .500000-03            .000000               .000000               .000000
79:   3          .740000-03            .126000-02            .590000-03            .000000               .000000               .000000
80:   4          .230000-03            .103000-02            .690000-03            .000000               .000000               .000000
81:   5          .490000-03            .890000-03            .620000-03            .000000               .000000               .000000
82:   6          .260000-03            .690000-03            .480000-03            .000000               .000000               .000000
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122

	8	.510000-01	.960000-01	.570000-01	.000000	.000000	.000000
	9	.700000-01	.890000-01	.510000-01	.000000	.000000	.000000
86:	10	.510000-03	.101000-02	.870000-03	.000000	.000000	.000000
87:	11	.178000-02	.240000-02	.140000-02	.000000	.000000	.000000
88:	12	.950000-03	.220000-02	.158000-02	.000000	.000000	.000000
89:	13	.850000-03	.173000-02	.112000-02	.000000	.000000	.000000
90:	14	.490000-03	.130000-02	.108000-02	.000000	.000000	.000000
91:	15	.730000-03	.135000-02	.126000-02	.000000	.000000	.000000
92:	16	.470000-03	.760000-03	.530000-03	.000000	.000000	.000000
93:			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 3				
94:	1	.360000-03	.117000-02	.208000-02	.390000-03	.000000	.000000
95:	2	.250000-03	.133000-02	.158000-02	.140000-03	.000000	.000000
96:	3	.270000-03	.128000-02	.313000-02	.300000-03	.000000	.000000
97:	4	.210000-03	.870000-03	.185000-02	.270000-03	.000000	.000000
98:	5	.230000-03	.149000-02	.178000-02	.230000-03	.000000	.000000
99:	6	.200000-03	.108000-02	.144000-02	.140000-03	.000000	.000000
100:	7	.350000-03	.206000-02	.334000-02	.210000-03	.000000	.000000
101:	8	.450000-03	.176000-02	.204000-02	.700000-04	.200000-04	.000000
102:	9	.430000-03	.181000-02	.341000-02	.460000-03	.000000	.000000
103:	10	.280000-03	.142000-02	.444000-02	.980000-03	.200000-04	.000000
104:	11	.800000-03	.405000-02	.753000-02	.130000-02	.500000-04	.000000
105:	12	.530000-03	.311000-02	.638000-02	.137000-02	.140000-03	.000000
106:	13	.420000-03	.231000-02	.460000-02	.850000-03	.700000-04	.000000
107:	14	.220000-03	.158000-02	.382000-02	.710000-03	.500000-04	.000000
108:	15	.380000-03	.183000-02	.403000-02	.870000-03	.200000-04	.000000
109:	16	.150000-03	.103000-02	.259000-02	.480000-03	.000000	.000000
110:			COMI VERSION 76130, REV 10				
111:	SECTOR	U1	U2	U3	U4	U5	U6
112:			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 4				
113:	1	.470000-03	.271000-02	.592000-02	.434000-02	.250000-03	.800000-04
114:	2	.290000-03	.218000-02	.398000-02	.277000-02	.150000-03	.000000
115:	3	.620000-03	.287000-02	.664000-02	.328000-02	.280000-03	.100000-04
116:	4	.280000-03	.176000-02	.532000-02	.329000-02	.290000-03	.300000-04
117:	5	.520000-03	.244000-02	.470000-02	.251000-02	.150000-03	.000000
118:	6	.160000-03	.125000-02	.412000-02	.268000-02	.800000-04	.000000
119:	7	.580000-03	.331000-02	.836000-02	.487000-02	.160000-03	.500000-04
120:	8	.310000-03	.195000-02	.601000-02	.604000-02	.610000-03	.300000-04
121:	9	.440000-03	.308000-02	.117200-01	.115400-01	.118000-02	.140000-03
122:	10	.400000-03	.254000-02	.990000-02	.143900-01	.217000-02	.430000-03
123:	11	.760000-03	.556000-02	.158000-01	.183500-01	.277000-02	.660000-03
124:	12	.580000-03	.415000-02	.113300-01	.160200-01	.308000-02	.111000-02
125:	13	.730000-03	.428000-02	.102300-01	.115400-01	.199000-02	.280000-03
126:	14	.220000-03	.217000-02	.787000-02	.163900-01	.347000-02	.520000-03
127:	15	.520000-03	.296000-02	.100500-01	.154000-01	.367000-02	.950000-03
128:	16	.290000-03	.259000-02	.620000-02	.673000-02	.890000-03	.510000-03
129:			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 5				
130:	1	.320000-03	.180000-02	.394000-02	.289000-02	.60000-03	.600000-04
131:	2	.200000-03	.146000-02	.266000-02	.185000-02	.100000-03	.000000
132:	3	.420000-03	.191000-02	.443000-02	.219000-02	.180000-03	.100000-04
133:	4	.190000-03	.147000-02	.354000-02	.220000-02		

[illegible] 5	.340000-03	.163000-02	.313000-02	.168000-02	.100000-03	.000000
[illegible]: 6	.110000-03	.830000-03	.274000-[illegible]	.173000-02	.600000-04	.0[illegible]00
136: 7	.390000-03	.220000-02	.557000-02	.325000-02	.110000-03	.4[illegible]00-04
137: 8	.200000-03	.130000-02	.401000-02	.403000-02	.400000-03	.200000-04
138: 9	.290000-03	.205000-02	.782000-02	.770000-02	.790000-03	.900000-04
139: 10	.270000-03	.169000-02	.660000-02	.959000-02	.145000-02	.280000-03

11	.510000-03	.371000-02	.105400-01	.122400-01	.155000-02	[illegible]
12	.380000-03	.276000-02	.755000-02	.106800-01	.205000-02	.7[illegible]-03
13	.480000-03	.286000-02	.682000-02	.776000-02	.133000-02	.180000-03
14	.150000-03	.145000-02	.524000-02	.109300-01	.232000-02	.350000-03
15	.340000-03	.198000-02	.670000-02	.102700-01	.244000-02	.630000-03
16	.190000-03	.173000-02	.414000-02	.448000-02	.600000-03	.340000-03

THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 6

1	.304000-02	.922000-02	.396000-02	.000000	.000000	.000000
2	.232000-02	.698000-02	.341000-02	.000000	.000000	.000000
3	.376000-02	.114900-01	.478000-02	.000000	.000000	.000000
4	.157000-02	.544000-02	.254000-02	.000000	.000000	.000000
5	.283000-02	.872000-02	.270000-02	.000000	.000000	.000000
6	.118000-02	.462000-02	.167000-02	.000000	.000000	.000000
7	.541000-02	.133600-01	.400000-02	.000000	.000000	.000000
8	.293000-02	.814000-02	.320000-02	.000000	.000000	.000000
9	.607000-02	.168000-01	.764000-02	.000000	.000000	.000000
10	.344000-02	.106400-01	.492000-02	.000000	.000000	.000000
11	.655000-02	.183500-01	.826000-02	.000000	.000000	.000000
12	.387000-02	.123100-01	.462000-02	.000000	.000000	.000000
13	.379000-02	.112600-01	.412000-02	.000000	.000000	.000000
14	.168000-02	.448000-02	.300000-02	.000000	.000000	.000000
15	.297000-02	.782000-02	.448000-02	.000000	.000000	.000000
16	.214000-02	.597000-02	.222000-02	.000000	.000000	.000000

** SOURCE CONTRIBUTION VERSION OF CDM **

AKRON UNCONTROLLED 1985 PROJECTIONS

TEN MAXIMUM WILL BE SELECTED IN SOURCE CONTRIBUTION

NO STATISTICAL DATA NEEDED

@ADD,P PSBML*CSFPAPT9.

CDMI VERSION 76130, RUN 10

SOURCE INPUT

ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2
SOURCE NO. 1 B001 PPG IND 11E3BTU/#,4.5%S										
P 1	447.80	4539.40	.00	615.240	.000	85.30	3.00	11.90	163.00	.00
SOURCE NO. 2 B002 PPG IND 11E3BTU/#,4.5%S										
P 2	447.80	4539.50	.00	398.700	.000	85.30	3.00	9.10	163.00	.00
SOURCE NO. 3 B003PPG IND11E3BTU/#,4.5%S										
P 3	447.80	4539.60	.00	1367.100	.000	99.70	4.60	8.50	188.00	.00
SOURCE NO. 4 B001GOODYEAR 12E3BTU/#,2.5%S										
P 4	459.70	4545.20	.00	228.060	.000	76.20	3.10	6.20	163.00	.00
SOURCE NO. 5 B002GOODYEAR										
P 5	459.70	4545.20	.00	227.700	.000	76.20	3.10	6.20	163.00	.00
SOURCE NO. 6 _B003_GOODYEAR										
P 6	459.70	4545.20	.00	118.800	.000	71.60	3.70	2.20	176.00	.00
SOURCE NO. 7 B004GGODYEAR										
P 7	459.70	4545.20	.00	132.300	.000	76.20	3.70	1.60	133.00	.00
SOURCE NO. 8 P032GOODYEAR										
P 8	459.70	4545.20	.00	8.060	.000	45.10	.50	2.20	204.00	.00

125<

```
            455.20     4545.20         .00        30.400       .600      77.70
 1 50    10        BOO?FIRESTONE
   10        455.20     4544.20         .00       255.420       .0       68.60      7.30      16.70     161.00     .00
 : SOURCE NO.  ..      BOO?FIRESTONE
```

136<

200: SOURCE NO. 44	B002 GOODRICH									
201: P 44	455.60	4546.70	.00	146.760	.000	76.20	4.90	1.80	256.00	.00
202: SOURCE NO. 45	B003 GOODRICH									
203: P 45	455.60	4546.70	.00	126.450	.000	76.20	4.90	2.60	244.00	.00
204: SOURCE NO. 45	B004 GOODYEAR 12E4,BTU/#,2.5ZS									
205: P 45	459.40	4546.00	.00	126.450	.000	76.20	4.90	3.10	244.00	.00
206: SOURCE NO. 46	B001 DIAMOND CRYSTAL 12.3 BTU/#,2.5									
207: P 46	454.40	4541.50	.00	41.040	.000	53.30	1.10	11.40	343.00	.00
208: SOURCE NO. 47	B002 DIAMOND CRYSTAL									
209: P 47	454.40	4541.50	.00	41.040	.000	53.30	1.10	11.40	343.00	.00
210: SOURCE NO. 48	B003 DIAMOND CRYSTAL									
211: P 48	454.40	4541.50	.00	41.040	.000	53.30	1.10	11.40	343.00	.00
212: SOURCE NO. 49	B004 DIAMOND CRYSTAL									
213: P 49	454.40	4541.50	.00	41.040	.000	53.30	1.10	11.40	343.00	.00
214: SOURCE NO. 20	B001 OHIO ED,BEECH 12250BTU/#,2.5ZZZZS									
215: P 20	456.60	4548.50	.00	44.800	.000	53.30	3.10	5.00	279.00	.00
216: SOURCE NO. 21	B002 OHIO ED BEECH									
217: P 21	456.60	4548.50	.00	16.900	.000	53.30	3.10	5.00	241.00	.00
218: SOURCE NO. 22	B003 OHIO ED BEECH									
219: P 22	456.60	4548.50	.00	57.900	.000	53.30	3.10	5.00	204.00	.00
220: SOURCE NO. 23	P001 PPG									
221: P 23	445.30	4540.40	.00	75.100	.000	76.30	3.70	8.20	148.00	.00
222: SOURCE NO. 24	B008 BF GOODRICH									
223: P 24	454.40	4543.90	.00	50.100	.000	38.10	1.50	11.60	199.00	.00
224: SOURCE NO. 25	P003 3-M COMPANY									
225: P 25	447.30	4549.70	.00	24.700	.000	24.40	1.10	5.00	77.00	32.00
226: SOURCE NO. 26	B001 OHIO HATCH									
227: P 26	438.50	4541.20	.00	22.140	.000	33.50	1.70	4.00	191.00	.00

228:

CDMI VERSION 76130, RUN 10

229: SOURCE INPUT

230: ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2
231: SOURCE NO. 27	B001 AKWELL 13E3BTU/#,3.07ZS									
232: P 27	458.00	4550.00	.00	10.800	.000	24.40	1.20	4.00	177.00	.00
233: SOURCE NO. 28	B002 AKWELL									
234: P 28	458.00	4550.00	.00	10.800	.000	24.40	1.20	4.00	177.00	.00
235: SOURCE NO. 29	B003 AKWELL									
236: P 29	458.00	4550.00	.00	.770	.000	6.70	.60	4.00	177.00	.00
237: SOURCE NO. 30	B001 BRASS 12E3,?BTU/#,2.54ZS									
238: P 30	448.20	4540.40	.00	4.990	.000	45.70	1.80	4.00	260.00	.00
239: SOURCE NO. 31	B003 OHIO BRASS									
240: P 31	448.20	4540.40	.00	3.700	.000	45.70	1.80	4.00	260.00	.00
241: SOURCE NO. 32	B001 SEIBERLING, ?1.5E5BTU/GAL,.85ZS									
242: P 32	448.00	4540.90	.00	7.470	.000	16.50	1.30	4.00	232.00	.00
243: SOURCE NO. 33	B002 SEIBERLING TIRE									
244: P 33	448.00	4540.90	.00	3.710	.000	20.40	1.30	4.00	232.00	.00
245: SOURCE NO. 34	P002 MCCORT CONST									
246: P 34	442.40	4549.10	.00	3.350	.000	21.30	1.80	3.00	149.00	.00
247: SOURCE NO. 35	P001 MCCORT CONST									
248: P 35	442.40	4549.10	.00	2.890	.000	21.30	1.80	4.00	149.00	.00

137<

SOURCE NO. 36 R003 FORMULLE 1001

P	36	466.80	4544.90	.00	.240	.000	15.00	1.00	4.00	177.00	.00

251: SOURCE NO. 37 R00.FPCDATA ORIO ED GORGE,[illegible]

252: P	37	458.80	4551.80	.00	395.100	.000	83.80	3.50	8.00	174.00	.00

253: SOURCE NO. 38 F_PCDATA8002 ORIOED GORGE

138<

254: P	38	458.80	4551.80	.00	395.100	.000	83.80	3.50	8.10	148.00	.00

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254:   38        458.80      4551.80        .00       395.10[illegible]      .000       83.80       3.50        8.10      148[illegible]      .00

255: SOURCE NO.  39      4 BOILERS HAWTHORN HOSP 12,750BTU/#,3.62%S
256: P   39        451.80      4577.50        .00        26.000      .000       53.30       3.10        5.00      170.00      .00

257: SOURCE NO.  40      B001 CHRYSLER 1.4E5BTU/GAL,.26%S
258: P   40        453.10      4573.60        .00         5.940      .000       23.50       2.10        5.00      288.00      .00

259: SOURCE NO.  41      B002 CHRYSLER
260: P   41        453.10      4573.60        .00         3.180      .000       23.50       2.10        5.00      288.00      .00

261: SOURCE NO.  42      B003 CHRYSLER
262: P   42        453.10      4573.60        .00         3.180      .000       23.50       2.10        5.00      288.00      .00
263: SOURCE NO.  43      B001 TECUMEH?S?SCH,12,850BTU/#,3.0%S
264: P   43        452.90      4570.50        .00         6.600      .000       11.00       1.50        5.00      316.00      .00

265: SOURCE NO.  44      B002 TECUMESCH
266: P   44        452.90      4570.50        .00         6.600      .000       11.00       1.50        5.00      316.00      .00

267: SOURCE NO.  45      B003 TECUMESCH
268: P   45        452.90      4570.50        .00         6.600      .000       11.00       1.50        5.00      316.00      .00

269:@ADD,P PSBML*CSFPAAR9.
270:                                          CDMI VERSION 76130,  RUN    10
271: SOURCE INPUT
272:     ID        X(KM)       Y(KM)       TX(M)   SO2(G/SEC)   TSP(G/SEC)   HS(M)      D(M)    VS(M/SEC)    TS(OC)    SA(M**2
273: A    2        437.00      4538.00    2000.00        .980       .000       20.00       .00        .00        .00       .00

274: A    3        437.00      4540.00    2000.00        .000       .000       20.00       .00        .00        .00       .00

275: A    4        437.00      4542.00    2000.00       3.810       .000       20.00       .00        .00        .00       .00

276: A    5        437.00      4544.00    2000.00        .230       .000       20.00       .00        .00        .00       .00

277: A    6        438.00      4535.00    3000.00        .000       .000       20.00       .00        .00        .00       .00

278: A    7        439.00      4538.00    2000.00        .100       .000       20.00       .00        .00        .00       .00

279: A    8        439.00      4540.00    2000.00       4.610       .000       20.00       .00        .00        .00       .00

280: A    9        439.00      4542.00    4000.00       3.840       .000       20.00       .00        .00        .00       .00
281: A   10        439.00      4554.00    4000.00        .460       .000       20.00       .00        .00        .00       .00

282: A   11        439.00      4558.00    4000.00        .000       .000       20.00       .00        .00        .00       .00

283: A   12        441.00      4535.00    1000.00        .000       .000       20.00       .00        .00        .00       .00
284: A   13        441.00      4536.00    2000.00        .000       .000       20.00       .00        .00        .00       .00

285: A   14        441.00      4538.00    2000.00        .000       .000       20.00       .00        .00        .00       .00

286: A   15        441.00      4540.00    2000.00        .000       .000       20.00       .00        .00        .00       .00

287: A   16        442.00      4535.00    1000.00        .000       .000       20.00       .00        .00        .00       .00

288: A   17        465.00      4527.00    5000.00       6.330       .000       20.00       .00        .00        .00       .00

289: A   18        465.00      4532.00    5000.00       9.130       .000       20.00       .00        .00        .00       .00

290: A   19        470.00      4527.00    5000.00       1.400       .000       20.00       .00        .00        .00       .00

291: A   20        470.00      4532.00    5000.00       6.720       .000       20.00       .00        .00        .00       .00
292: A   21        475.00      4523.00    7000.00       4.900       .000       20.00       .00        .00        .00       .00
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296:	A	25	443.00	4535.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
297:	A	26	443.00	4536.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
298:	A	27	443.00	4538.00	2000.00	4.060	.000	20.00	.00	.00	.00	.00
299:	A	28	443.00	4540.00	2000.00	.760	.000	20.00	.00	.00	.00	.00
300:	A	29	443.00	4542.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
301:	A	30	443.00	4544.00	2000.00	1.910	.000	20.00	.00	.00	.00	.00
302:	A	31	443.00	4546.00	4000.00	5.510	.000	20.00	.00	.00	.00	.00
303:	A	32	443.00	4550.00	4000.00	2.540	.000	20.00	.00	.00	.00	.00
304:	A	33	443.00	4554.00	4000.00	2.200	.000	20.00	.00	.00	.00	.00
305:	A	34	443.00	4558.00	4000.00	.020	.000	20.00	.00	.00	.00	.00
306:	A	35	444.00	4535.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
307:	A	36	445.00	4529.00	4000.00	2.090	.000	20.00	.00	.00	.00	.00
308:	A	37	445.00	4533.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
309:	A	38	445.00	4535.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
310:	A	39	445.00	4536.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
311:	A	40	445.00	4533.00	4000.00							

312: A	41	445.00	4538.00	2000.00	8.050	.000	20.00	.00	.00	.00	.00
313: A	42	445.00	4540.00	2000.00	2.400	.000	20.00	.00	.00	.00	.00
314: A	43	445.00	4542.00	2000.00	4.170	.000	20.00	.00	.00	.00	.00
315: A	44	445.00	4544.00	2000.00	4.280	.000	20.00	.00	.00	.00	.00
316: A	45	446.00	4535.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
317: A	46	446.00	4536.00	2000.00	.390	.000	20.00	.00	.00	.00	.00
318: A	47	447.00	4533.00	3000.00	4.870	.000	20.00	.00	.00	.00	.00
319: A	48	447.00	4538.00	2000.00	3.660	.000	20.00	.00	.00	.00	.00
320: A	49	447.00	4540.00	2000.00	10.540	.000	20.00	.00	.00	.00	.00
321: A	50	447.00	4542.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
322: A	51	447.00	4544.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
323: A	52	447.00	4546.00	2000.00	.010	.000	20.00	.00	.00	.00	.00

324:

CDMI VERSION 76130, RUN 10

325: SOURCE INPUT

326:	ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2
327: A	53	447.00	4548.00	2000.00	1.630	.000	20.00	.00	.00	.00	.00
328: A	54	447.00	4550.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
329: A	55	447.00	4552.00	2000.00	6.250	.000	20.00	.00	.00	.00	.00
330: A	56	447.00	4554.00	4000.00	9.190	.000	20.00	.00	.00	.00	.00
331: A	57	447.00	4558.00	4000.00	.020	.000	20.00	.00	.00	.00	.00
332: A	58	448.00	4536.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
333: A	59	449.00	4529.00	4000.00	2.740	.000	20.00	.00	.00	.00	.00
334: A	60	449.00	4538.00	2000.00	7.570	.000	20.00	.00	.00	.00	.00
335: A	61	449.00	4540.00	2000.00	16.500	.000	20.00	.00	.00	.00	.00
336: A	62	449.00	4542.00	2000.00	6.610	.000	20.00	.00	.00	.00	.00
337: A	63	449.00	4544.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
338: A	64	449.00	4546.00	2000.00	1.490	.000	20.00	.00	.00	.00	.00
339: A	65	449.00	4548.00	2000.00	1.920	.000	20.00	.00	.00	.00	.00
340: A	66	449.00	4550.00	2000.00	4.010	.000	20.00	.00	.00	.00	.00
341: A	67	449.00	4552.00	2000.00	6.180	.000	20.00	.00	.00	.00	.00
342: A	68	450.00	4533.00	3000.00	3.230	.000	20.00	.00	.00	.00	.00
343: A	69	450.00	4536.00	2000.00	.610	.000	20.00	.00	.00	.00	.00
344: A	70	451.00	4538.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
345: A	71	451.00	4540.00	2000.00	6.850	.000	25.00	.00	.00	.00	.00
346: A	72	451.00	4542.00	1000.00	2.080	.000	25.00	.00	.00	.00	.00

348: A	74	451.00	4544.00	2000.00	9.300	.000	25.00	.00	.00	.00	.00
349: A	75	451.00	4546.00	2000.00	10.600	.000	20.00	.00	.00	.00	.00
350: A	76	451.00	4548.00	2000.00	11.810	.000	20.00	.00	.00	.00	.00
351: A	77	451.00	4550.00	2000.00	9.400	.000	20.00	.00	.00	.00	.00
352: A	78	451.00	4552.00	2000.00	9.170	.000	20.00	.00	.00	.00	.00
353: A	79	451.00	4554.00	4000.00	5.290	.000	20.00	.00	.00	.00	.00
354: A	80	451.00	4558.00	4000.00	1.360	.000	20.00	.00	.00	.00	.00
355: A	81	452.00	4536.00	2000.00	3.280	.000	20.00	.00	.00	.00	.00
356: A	82	452.00	4542.00	1000.00	1.230	.000	25.00	.00	.00	.00	.00
357: A	83	452.00	4543.00	1000.00	6.890	.000	25.00	.00	.00	.00	.00
358: A	84	453.00	4529.00	7000.00	13.020	.000	20.00	.00	.00	.00	.00
359: A	85	453.00	4538.00	2000.00	1.970	.000	20.00	.00	.00	.00	.00
360: A	86	453.00	4540.00	2000.00	4.500	.000	20.00	.00	.00	.00	.00
361: A	87	453.00	4542.00	1000.00	.820	.000	20.00	.00	.00	.00	.00
362: A	88	453.00	4543.00	1000.00	5.020	.000	25.00	.00	.00	.00	.00
363: A	89	453.00	4544.00	1000.00	5.540	.000	25.00	.00	.00	.00	.00
364: A	90	453.00	4545.00	1000.00	3.650	.000	25.00	.00	.00	.00	.00
365: A	91	453.00	4546.00	1000.00	4.380	.000	20.00	.00	.00	.00	.00
366: A	92	453.00	4547.00	1000.00	2.670	.000	20.00	.00	.00	.00	.00
367: A	93	453.00	4548.00	1000.00	5.600	.000	20.00	.00	.00	.00	.00

368: A	94	453.00	4549.00	1000.00	4.220	.000	20.00	.00	.00	.00	.00

[illegible]: A	94	453.00	4549.00	1000.00	4.720	.000	[illegible]	.00	[illegible]	[illegible]	[illegible]
369: A	95	453.00	4550.00	2000.00	9.720	.000	20.00	.00	.00	.00	.00
370: A	96	453.00	4552.00	2000.00	2.920	.000	20.00	.00	.00	.00	.00
371: A	97	454.00	4536.00	2000.00	5.480	.000	20.00	.00	.00	.00	.00
372: A	98	454.00	4542.00	1000.00	2.040	.000	25.00	.00	.00	.00	.00
373: A	99	454.00	4543.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
374: A	100	454.00	4544.00	1000.00	2.200	.000	25.00	.00	.00	.00	.00
375: A	101	454.00	4545.00	1000.00	4.460	.000	25.00	.00	.00	.00	.00
376: A	102	454.00	4546.00	1000.00	6.210	.000	20.00	.00	.00	.00	.00
377: A	103	454.00	4547.00	1000.00	5.280	.000	20.00	.00	.00	.00	.00

378:

CDMI VERSION 76130, RUN 10

379: SOURCE INPUT

380:	ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2
381: A	104	454.00	4548.00	1000.00	7.840	.000	20.00	.00	.00	.00	.00
382: A	105	454.00	4549.00	1000.00	7.410	.000	20.00	.00	.00	.00	.00
383: A	106	455.00	4538.00	2000.00	3.100	.000	20.00	.00	.00	.00	.00
384: A	107	455.00	4540.00	2000.00	1.950	.000	25.00	.00	.00	.00	.00
385: A	108	455.00	4542.00	1000.00	4.140	.000	25.00	.00	.00	.00	.00
386: A	109	455.00	4543.00	1000.00	.180	.000	25.00	.00	.00	.00	.00

*TB*HAVING PROBLEMS PLS STAND BY...

387: A	110	455.00	4544.00	1000.00	5.240	.000	25.00	.00	.00	.00	.00
388: A	111	455.00	4545.00	1000.00	5.480	.000	25.00	.00	.00	.00	.00
389: A	112	455.00	4546.00	1000.00	1.530	.000	20.00	.00	.00	.00	.00
390: A	113	455.00	4547.00	1000.00	3.530	.000	20.00	.00	.00	.00	.00
391: A	114	455.00	4548.00	1000.00	4.930	.000	20.00	.00	.00	.00	.00
392: A	115	455.00	4549.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
393: A	116	455.00	4550.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
394: A	117	455.00	4551.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
395: A	118	455.00	4552.00	2000.00	3.030	.000	20.00	.00	.00	.00	.00
396: A	119	455.00	4554.00	2000.00	2.100	.000	20.00	.00	.00	.00	.00
397: A	120	455.00	4556.00	2000.00	1.190	.000	20.00	.00	.00	.00	.00
398: A	121	455.00	4558.00	4000.00	1.000	.000	20.00	.00	.00	.00	.00
399: A	122	456.00	4536.00	2000.00	4.200	.000	20.00	.00	.00	.00	.00
400: A	123	456.00	4542.00	1000.00	5.040	.000	25.00	.00	.00	.00	.00
401: A	124	456.00	4543.00	1000.00	1.830	.000	25.00	.00	.00	.00	.00
402: A	125	456.00	4544.00	1000.00	7.080	.000	25.00	.00	.00	.00	.00
[illegible]											

405:	A	128	456.00	4546.00	1000.00	4.700	.000	20.00	.00	.00	.00	.00
406:	A	129	456.00	4547.00	1000.00	4.510	.000	20.00	.00	.00	.00	.00
407:	A	130	456.00	4548.00	1000.00	4.040	.000	20.00	.00	.00	.00	.00
408:	A	131	456.00	4549.00	1000.00	3.420	.000	20.00	.00	.00	.00	.00
409:	A	132	456.00	4550.00	1000.00	7.080	.000	20.00	.00	.00	.00	.00
410:	A	133	456.00	4551.00	1000.00	3.490	.000	20.00	.00	.00	.00	.00
411:	A	134	457.00	4538.00	2000.00	3.040	.000	20.00	.00	.00	.00	.00
412:	A	135	457.00	4540.00	2000.00	.660	.000	25.00	.00	.00	.00	.00
413:	A	136	457.00	4542.00	1000.00	3.660	.000	25.00	.00	.00	.00	.00
414:	A	137	457.00	4543.00	1000.00	5.970	.000	25.00	.00	.00	.00	.00
415:	A	138	457.00	4544.00	1000.00	4.440	.000	25.00	.00	.00	.00	.00
416:	A	139	457.00	4545.00	1000.00	3.830	.000	25.00	.00	.00	.00	.00
417:	A	140	457.00	4546.00	1000.00	3.560	.000	20.00	.00	.00	.00	.00
418:	A	142	457.00	4547.00	1000.00	4.590	.000	20.00	.00	.00	.00	.00
420:	A	143	457.00	4548.00	1000.00	3.810	.000	20.00	.00	.00	.00	.00
421:	A	144	457.00	4550.00	1000.00	4.810	.000	20.00	.00	.00	.00	.00
422:	A	145	457.00	4551.00	1000.00	7.640	.000	20.00	.00	.00	.00	.00
				4552.00	1000.00	1.970	.000	20.00	.00	.00	.00	.00

423:	A	146	457.00	4553.00	1000.00	3.240	.000	20.00	.00	.00	.00	.00

424: A	147	457.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
425: A	148	457.00	4555.00	1000.00	[illegible]	.000	20.00	.00	.00	.00
426: A	149	457.00	4556.00	2000.00	.010	.000	20.00	.00	.00	.00
427: A	150	458.00	4536.00	2000.00	3.010	.000	20.00	.00	.00	.00
428: A	151	458.00	4542.00	1000.00	3.060	.000	25.00	.00	.00	.00
429: A	152	458.00	4543.00	1000.00	6.380	.000	25.00	.00	.00	.00
430: A	153	458.00	4544.00	1000.00	7.000	.000	25.00	.00	.00	.00
431: A	154	458.00	4545.00	1000.00	4.090	.000	25.00	.00	.00	.00

CDM1 VERSION 76130, RUN 10

SOURCE INPUT ID.	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2
435: A 155	458.00	4546.00	1000.00	5.590	.000	20.00	.00	.00	.00	.00
436: A 156	458.00	4547.00	1000.00	5.530	.000	20.00	.00	.00	.00	.00
437: A 157	458.00	4548.00	1000.00	1.670	.000	20.00	.00	.00	.00	.00
438: A 158	458.00	4549.00	1000.00	4.220	.000	20.00	.00	.00	.00	.00
439: A 159	458.00	4550.00	1000.00	2.670	.000	20.00	.00	.00	.00	.00
440: A 160	458.00	4551.00	1000.00	4.510	.000	20.00	.00	.00	.00	.00
441: A 161	458.00	4552.00	1000.00	4.230	.000	20.00	.00	.00	.00	.00
442: A 162	458.00	4553.00	1000.00	7.480	.000	20.00	.00	.00	.00	.00
443: A 163	458.00	4554.00	1000.00	2.750	.000	20.00	.00	.00	.00	.00
444: A 164	458.00	4555.00	1000.00	5.060	.000	20.00	.00	.00	.00	.00
445: A 165	459.00	4538.00	2000.00	3.510	.000	20.00	.00	.00	.00	.00
446: A 166	459.00	4540.00	2000.00	4.790	.000	25.00	.00	.00	.00	.00
447: A 167	459.00	4542.00	1000.00	1.730	.000	25.00	.00	.00	.00	.00
448: A 168	459.00	4543.00	1000.00	1.770	.000	25.00	.00	.00	.00	.00
449: A 169	459.00	4544.00	1000.00	1.970	.000	25.00	.00	.00	.00	.00
450: A 170	459.00	4545.00	1000.00	5.110	.000	25.00	.00	.00	.00	.00
451: A 171	459.00	4546.00	1000.00	4.350	.000	20.00	.00	.00	.00	.00
452: A 172	459.00	4547.00	1000.00	2.700	.000	20.00	.00	.00	.00	.00
453: A 173	459.00	4548.00	2000.00	4.380	.000	20.00	.00	.00	.00	.00
454: A 174	459.00	4550.00	2000.00	5.400	.000	20.00	.00	.00	.00	.00
455: A 175	459.00	4552.00	2000.00	15.070	.000	20.00	.00	.00	.00	.00
456: A 176	459.00	4554.00	1000.00	3.140	.000	20.00	.00	.00	.00	.00
457: A 177	459.00	4555.00	1000.00	7.570	.000	20.00	.00	.00	.00	.00
458: A 178	459.00	4556.00	2000.00	4.660	.000	20.00	.00	.00	.00	.00

460: A	180	460.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
461: A	181	460.00	4533.00	5000.00	[illegible]	.000	20.60	.00	.00	.00	.00
462: A	182	460.00	4542.00	2000.00	6.260	.000	20.00	.00	.00	.00	.00
463: A	183	460.00	4544.00	2000.00	8.420	.000	20.00	.00	.00	.00	.00
464: A	184	460.00	4546.00	1000.00	6.230	.000	20.00	.00	.00	.00	.00
465: A	185	460.00	4547.00	1000.00	2.760	.000	20.00	.00	.00	.00	.00
466: A	186	460.00	4554.00	1000.00	1.440	.000	20.00	.00	.00	.00	.00
467: A	187	460.00	4555.00	1000.00	4.120	.000	20.00	.00	.00	.00	.00
468: A	188	461.00	4538.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
469: A	189	461.00	4540.00	2000.00	1.990	.000	20.00	.00	.00	.00	.00
470: A	190	461.00	4546.00	1000.00	5.940	.000	20.00	.00	.00	.00	.00
471: A	191	461.00	4547.00	1000.00	1.320	.000	20.00	.00	.00	.00	.00
472: A	192	461.00	4548.00	2000.00	5.020	.000	20.00	.00	.00	.00	.00
473: A	193	461.00	4550.00	2000.00	2.330	.000	20.00	.00	.00	.00	.00
474: A	194	461.00	4552.00	2000.00	4.930	.000	20.00	.00	.00	.00	.00
475: A	195	461.00	4554.00	2000.00	3.610	.000	20.00	.00	.00	.00	.00
476: A	196	461.00	4556.00	2000.00	9.680	.000	20.00	.00	.00	.00	.00
477: A	197	462.00	4542.00	2000.00	7.850	.000	20.00	.00	.00	.00	.00
478: A	198	462.00	4544.00	2000.00	10.370	.000	20.00	.00	.00	.00	.00
479: A	199	462.00	4546.00	1000.00	2.330	.000	20.00	.00	.00	.00	.00

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480: A	200	462.00	4547.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
481: A	201	463.00	4538.00	2000.00	3.520	.000	20.00	.00	.00	.00	.00

482:	A	202	461.00	4548.00	4000.00	14.[illegible]	.000	20.00	.00	.00	[illegible]00	.00
483:	A	203	461.00	4546.00	4000.00	14.[illegible]	.000	20.00	.00	.00	.00	.00
484:	A	204	463.00	4550.00	4000.00	6.970	.000	20.00	.00	.00	.00	.00
485:	A	205	463.00	4554.00	2000.00	4.910	.000	20.00	.00	.00	.00	.00

486:

CDMI VERSION 76130, RUN 10

487:

488:	SOURCE ID		X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	BS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2
489:	A	206	463.00	4556.00	2000.00	9.550	.000	20.00	.00	.00	.00	.00
490:	A	207	463.00	4558.00	4000.00	6.250	.000	20.00	.00	.00	.00	.00
491:	A	208	464.00	4542.00	2000.00	5.960	.000	20.00	.00	.00	.00	.00
492:	A	209	464.00	4544.00	2000.00	5.700	.000	20.00	.00	.00	.00	.00
493:	A	210	465.00	4537.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
494:	A	211	465.00	4538.00	2000.00	.720	.000	20.00	.00	.00	.00	.00
495:	A	212	465.00	4540.00	2000.00	1.980	.000	20.00	.00	.00	.00	.00
496:	A	213	465.00	4554.00	2000.00	.730	.000	20.00	.00	.00	.00	.00
497:	A	214	465.00	4556.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
498:	A	215	466.00	4537.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
499:	A	216	466.00	4542.00	1000.00	1.890	.000	20.00	.00	.00	.00	.00
500:	A	217	466.00	4543.00	1000.00	3.460	.000	20.00	.00	.00	.00	.00
501:	A	218	466.00	4544.00	1000.00	2.100	.000	20.00	.00	.00	.00	.00
502:	A	219	466.00	4545.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
503:	A	220	467.00	4537.00	3000.00	.000	.000	20.00	.00	.00	.00	.00
504:	A	221	467.00	4540.00	4000.00	2.570	.000	20.00	.00	.00	.00	.00
505:	A	222	467.00	4544.00	4000.00	1.620	.000	20.00	.00	.00	.00	.00
506:	A	223	467.00	4548.00	4000.00	4.610	.000	20.00	.00	.00	.00	.00
507:	A	224	467.00	4552.00	3000.00	2.800	.000	20.00	.00	.00	.00	.00
508:	A	225	467.00	4555.00	3000.00	6.610	.000	20.00	.00	.00	.00	.00
509:	A	226	467.00	4558.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
510:	A	227	467.00	4560.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
511:	A	228	468.00	4560.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
512:	A	229	469.00	4558.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
513:	A	230	469.00	4559.00	1000.00	2.070	.000	20.00	.00	.00	.00	.00
514:	A	231	469.00	4560.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
515:	A	232	470.00	4537.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
[illegible]			[illegible]	[illegible]	[illegible]	.000	.000	20.00	.00	.00	.00	.00

517: A 234	470.00	4539.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
518: A 235	470.00	4552.00	2000.00	1.050	.000	20.00	.00	.00	.00	.00
519: A 236	470.00	4554.00	2000.00	11.900	.000	20.00	.00	.00	.00	.00
520: A 237	470.00	4556.00	2000.00	2.340	.000	20.00	.00	.00	.00	.00
521: A 238	470.00	4558.00	2000.00	.470	.000	20.00	.00	.00	.00	.00
522: A 239	470.00	4560.00	1000.00	.150	.000	20.00	.00	.00	.00	.00
523: A 240	471.00	4537.00	5000.00	.000	.000	20.00	.00	.00	.00	.00
524: A 241	471.00	4542.00	5000.00	1.880	.000	20.00	.00	.00	.00	.00
525: A 242	471.00	4547.00	5000.00	.700	.000	20.00	.00	.00	.00	.00
526: A 243	471.00	4560.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
527: A 244	472.00	4552.00	2000.00	1.360	.000	20.00	.00	.00	.00	.00
528: A 245	472.00	4554.00	2000.00	1.420	.000	20.00	.00	.00	.00	.00
529: A 246	472.00	4556.00	2000.00	1.950	.000	20.00	.00	.00	.00	.00
530: A 247	472.00	4558.00	4000.00	.940	.000	20.00	.00	.00	.00	.00
531: A 248	474.00	4552.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
532: A 249	474.00	4554.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
533: A 250	[illegible]	[illegible]	[illegible]	.860	.000	20.00	.00	.00	.00	.00
534: A 251	476.00	4537.00	4000.00	.000	.000	20.00	.00	.00	.00	.00
535: A 252	476.00	4541.00	4000.00	2.390	.000	20.00	.00	.00	.00	.00
536: A 253	476.00	4545.00	4000.00	.000	.000	20.00	.00	.00	.00	.00

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537: A 254	476.00	4549.00	4000.00	2.330	.000	20.00	.00	.00	.00	.00
538: A 255	476.00	4553.00	2000.00	.000	.000	20.00	.00	.00	.00	.00

A 256 476.00 4555.00 2000.00 [illegible]

CDMI VERSION 76130, RUN 10

SOURCE INPUT

ID		X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2
A	257	476.00	4557.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	258	476.00	4559.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	259	478.00	4553.00	2000.00	.470	.000	20.00	.00	.00	.00	.00
A	260	478.00	4555.00	2000.00	5.300	.000	20.00	.00	.00	.00	.00
A	261	478.00	4557.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	262	478.00	4559.00	2000.00	1.240	.000	20.00	.00	.00	.00	.00
A	263	480.00	4537.00	4000.00	.000	.000	20.00	.00	.00	.00	.00
A	264	480.00	4541.00	4000.00	1.470	.000	20.00	.00	.00	.00	.00
A	265	480.00	4545.00	4000.00	.000	.000	20.00	.00	.00	.00	.00
A	266	480.00	4549.00	4000.00	3.040	.000	20.00	.00	.00	.00	.00
A	267	480.00	4553.00	2000.00	.440	.000	20.00	.00	.00	.00	.00
A	268	480.00	4555.00	2000.00	5.500	.000	20.00	.00	.00	.00	.00
A	269	480.00	4557.00	2000.00	1.860	.000	20.00	.00	.00	.00	.00
A	270	480.00	4559.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	271	482.00	4553.00	2000.00	.330	.000	20.00	.00	.00	.00	.00
A	272	482.00	4555.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	273	482.00	4557.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	274	482.00	4559.00	2000.00	.000	.000	20.00	.00	.00	.00	.00

273 AREA SOURCE(S). 45 POINT SOURCE(S).

@ADD,P PSBNL*RECEP5.

CDMI VERSION 76130, RUN 10
(MICROGRAMS PER CUBIC METER)
AKRON UNCONTROLLED 1985 PROJECTIONS

RECEPTOR	COORDINATE		AREA		POINT		TOTAL		CALIBRATED		OBS. MEAN	
ID	X	Y	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2
1	441.20	4535.80	4.08	.00	12.52	.00	16.60	.00	29.80	.00	29	0
2	449.00	4540.70	16.81	.00	33.46	.00	50.27	.00	45.63	.00	40	0
3	453.10	4544.00	39.24	.00	44.67	.00	83.91	.00	61.44	.00	54	0
4	458.90	4550.30	28.49	.00	65.44	.00	93.92	.00	66.14	.00	71	0
5	460.70	4545.80	25.66	.00	50.81	.00	76.47	.00	57.94	.00	42	0
6	479.50	4556.00	3.65	.00	13.12	.00	16.77	.00	29.88	.00	32	0

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OHIO	8	438.00	4541.00	3.89	.00	13.84	.00	17.73	.00	30.33	.00	0	0
579: MATCH	9	438.00	4542.00	3.98	.00	12.64	.00	16.62	.00	29.81	.00		0
580: OHIO	10	439.00	4541.00	4.18	.00	17.53	.00	21.71	.00	32.20	.00	0	0
581: MATCH	11	439.00	4542.00	4.40	.00	15.35	.00	19.74	.00	31.28	.00	0	0
582: OHIO	12	439.50	4541.50	4.31	.00	16.70	.00	21.02	.00	31.88	.00	0	0
583: MATCH	13	440.00	4542.00	4.04	.00	15.09	.00	19.13	.00	30.99	.00	0	0
584: MCORT	14	442.00	4548.00	5.94	.00	17.60	.00	23.54	.00	33.06	.00	0	0
585: MCORT	15	442.00	4550.00	4.82	.00	14.30	.00	19.11	.00	30.98	.00	0	0
586: MCORT	16	443.00	4549.00	5.92	.00	18.88	.00	24.80	.00	33.66	.00	0	0
587: MCORT	17	443.00	4550.00	5.46	.00	15.83	.00	21.29	.00	32.01	.00	0	0
588: MCORT	18	444.00	4549.00	6.30	.00	17.57	.00	23.86	.00	33.22	.00	0	0
589: MCORT	19	444.00	4550.00	5.84	.00	16.41	.00	22.25	.00	32.46	.00	0	0
590: PPG	2	446.00	4540.00	19.98	.00	15.38	.00	35.36	.00	38.62	.00	0	0
591: PPG	21	446.00	4541.00	11.99	.00	20.70	.00	32.69	.00	37.36	.00	0	0
592: PPG	22	446.00	4541.50	10.07	.00	20.72	.00	30.79	.00	36.47	.00	0	0
593: PPG	23	446.00	4542.00	8.97	.00	21.85	.00	30.82	.00	36.49	.00	0	0

594: PPG	24	446.50	4540.50	17.50	.00	19.78	.00	37.28	.00	39.52	.00	0	0
595: PPG	25	447.00	4540.00	18.40	.00	17.07	.00	35.46	.00	38.67	.00	0	0

CDMI VERSION 76130, RUN 10
(MICROGRAMS PER CUBIC METER)
AKRON UNCONTROLLED 1985 PROJECTIONS

RECEPTOR	ID	COORDINATE X	Y	AREA P1	P2	POINT P1	P2	TOTAL P1	P2	CALIBRATED P1	P2	OBS. MEAN P1	P2
MMM	28	447.00	4549.00	10.27	.00	32.61	.00	42.88	.00	42.15	.00	0	
MMM	29	447.00	4551.00	10.22	.00	28.91	.00	39.12	.00	40.39	.00	0	0
MMM	30	447.50	4550.50	11.93	.00	39.03	.00	50.96	.00	45.95	.00	0	0
OBRASS PPG	31	448.00	4540.00	13.57	.00	17.03	.00	36.60	.00	36.38	.00	0	0
SEIBERLING	32	448.00	4542.00	18.10	.00	29.41	.00	47.51	.00	44.33	.00	0	0
SEIBERLING	33	448.00	4543.00	15.60	.00	31.04	.00	46.65	.00	43.92	.00	0	0
MMM	34	448.00	4549.00	14.22	.00	36.61	.00	50.82	.00	45.89	.00	0	0
MMM	35	448.00	4550.00	14.24	.00	45.38	.00	59.62	.00	50.02	.00	0	0
MMM	36	448.00	4550.50	13.20	.00	42.76	.00	55.95	.00	48.30	.00	0	0
MMM	37	448.00	4551.00	11.68	.00	31.24	.00	42.92	.00	42.17	.00	0	0
SEIBERLING	38	448.50	4541.50	18.94	.00	35.92	.00	54.86	.00	47.78	.00	0	0
MMM	39	448.50	4550.00	15.12	.00	37.17	.00	52.30	.00	46.58	.00	0	0
MMM	40	448.50	4550.00	15.12	.00	37.17	.00	52.30	.00	46.58	.00	0	0
PPG	41	449.00	4540.00	13.35	.00	28.62	.00	41.98	.00	41.73	.00	0	0
OBRASS	42	449.00	4540.50	15.84	.00	31.43	.00	47.27	.00	44.22	.00	0	0
OBRASSEIBE	43	449.00	4542.00	19.90	.00	33.26	.00	53.16	.00	46.98	.00	0	0
SEIBERLING	44	449.00	4543.00	18.39	.00	32.36	.00	50.75	.00	45.85	.00	0	0
MMM	45	449.00	4551.00	13.44	.00	32.26	.00	45.69	.00	43.48	.00	0	0
OBRASSEIBE	46	449.50	4541.00	18.34	.00	37.60	.00	55.94	.00	48.29	.00	0	0
OBRASSEIBE	47	449.50	4541.50	19.86	.00	40.29	.00	60.15	.00	50.27	.00	0	0
PPG	48	450.00	4540.00	13.69	.00	33.83	.00	47.53	.00	44.34	.00	0	0
PPGOBRASS	49	450.00	4540.50	16.21	.00	37.06	.00	53.27	.00	47.04	.00	0	0
OBRASS	50	450.00	4541.00	18.79	.00	38.12	.00	56.90	.00	48.74	.00	0	0
OBRASS	51	450.00	4541.50	20.15	.00	40.88	.00	61.02	.00	50.68	.00	0	0
SEIBERLING	52	450.00	4542.00	20.88	.00	42.17	.00	63.05	.00	51.63	.00	0	0
SEIBERLING	53	450.00	4544.00	21.95	.00	34.87	.00	56.82	.00	48.71	.00	0	0
AREA	54	450.00	4546.00	26.00	.00	30.73	.00	56.73	.00	48.66	.00	0	0

632: AREA	54	450.00	4546.00	26.00	.00	30.73	.00	56.73	.00	48.66	.00	0	0
633: AREA	55	450.00	4548.00	26.17	.00	31.24	.00	57.40	.00	48.98	.00	0	0
634: HMM	56	450.00	4550.00	22.86	.00	29.40	.00	52.26	.00	46.56	.00	0	0
635: OBRASS	57	451.00	4541.00	19.36	.00	41.02	.00	60.38	.00	50.38	.00	0	0
636: AREA	58	451.00	4542.00	22.23	.00	43.58	.00	65.81	.00	52.93	.00	0	0
637: AREA	59	451.00	4544.00	26.06	.00	45.46	.00	71.51	.00	55.61	.00	0	0
638: AREA	60	451.00	4546.00	31.16	.00	35.67	.00	66.83	.00	53.41	.00	0	0
639: AREA	61	451.00	4548.00	30.51	.00	32.07	.00	62.58	.00	51.41	.00	0	0
640: AREA	62	451.00	4550.00	25.82	.00	29.62	.00	55.44	.00	48.06	.00	0	0
641: AREA	63	452.00	4541.00	20.05	.00	40.59	.00	60.65	.00	50.50	.00	0	0
642: DIACRYS	64	452.00	4543.00	27.69	.00	45.70	.00	73.39	.00	56.49	.00	0	0
643: BFG	65	452.00	4545.00	33.65	.00	43.14	.00	76.79	.00	58.09	.00	0	0
644: AREA	66	452.00	4547.00	34.79	.00	36.61	.00	71.40	.00	55.56	.00	0	0
645: AREA	67	452.00	4549.00	30.74	.00	29.23	.00	59.96	.00	50.18	.00	0	0
646: AREA	68	452.00	4551.00	20.22	.00	31.97	.00	52.19	.00	46.53	.00	0	0
647: DIACRYS	69	453.00	4542.00	22.10	.00	41.53	.00	63.63	.00	51.91	.00	0	0
648: DIACRYS	70	453.00	4543.00	30.41	.00	42.03	.00	72.45	.00	56.05	.00	0	0
649: BFG	71	453.00	4546.00	37.71	.00	46.52	.00	84.24	.00	61.59	.00	0	0
650: BFG	72	453.00	4548.00	34.83	.00	31.01	.00	65.84	.00	52.94	.00	0	0

651: AREA	73	453.00	4550.00	29.62	.00	33.66	.00	63.28	.00	51.74	.00	0	0
652: AREA	74	453.00	4552.00	28.94	.00	32.78	.00	61.72	.00	50.66	.00		

DIACRYS	76	454.00	4541.00	21.52	.00	46.50	.00	68.02	.00	51.97	.00	0	0
[illegible]	77	454.00	4544.00	41.36	.00	49.56	.00	90.92	.00	60.01	.00	0	0
BFG	78	454.00	4546.00	39.71	.00	57.27	.00	96.98	.00	64.76	.00	0	0
BFG	79	454.00	4547.00	37.24	.00	47.04	.00	84.28	.00	61.61	.00	0	0
AREA	80	454.00	4549.00	33.46	.00	35.13	.00	68.59	.00	54.24	.00	0	0
AREA	81	454.00	4551.00	24.97	.00	37.72	.00	62.69	.00	51.46	.00	0	0
BFGFIRES	82	454.50	4545.00	45.53	.00	48.45	.00	93.98	.00	66.17	.00	0	0
DIACRYS	83	455.00	4542.00	20.72	.00	42.01	.00	62.72	.00	51.48	.00	0	0
DIACRYS	84	455.00	4543.00	31.85	.00	39.54	.00	71.39	.00	55.55	.00	0	0
BFGFIRES	85	455.00	4544.00	45.54	.00	41.30	.00	86.84	.00	62.82	.00	0	0
FIRESTONE	86	455.00	4545.00	47.99	.00	47.49	.00	95.48	.00	66.88	.00	0	0
FIRESTONE	870	455.00	4545.50	45.22	.00	48.04	.00	93.26	.00	65.83	.00	0	0
BFG	88	455.00	4546.00	38.03	.00	48.39	.00	86.42	.00	62.62	.00	0	0
BFG	89	455.00	4547.00	34.98	.00	47.45	.00	82.43	.00	60.74	.00	0	0
FFG	90	455.00	4548.00	33.45	.00	45.71	.00	79.16	.00	59.20	.00	0	0

CDMI VERSION 78130, RUN 10
(MICROGRAMS PER CUBIC METER)
AKRON UNCONTROLLED 1985 PROJECTIONS

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RECEPTOR		COORDINATE		AREA		POINT		TOTAL		CALIBRATED		OBS. MEAN	
	ID	X	Y	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2
AREA	91	455.00	4550.00	32.21	.00	49.14	.00	81.35	.00	60.23	.00	0	0
AREA	92	455.00	4552.00	30.76	.00	37.37	.00	68.13	.00	54.02	.00	0	0
FIRES	93	455.50	4543.50	41.74	.00	42.10	.00	83.85	.00	61.41	.00	0	0
FIRES	94	455.50	4545.00	48.54	.00	55.81	.00	104.35	.00	71.05	.00	0	0
BFG	95	455.50	4546.00	37.94	.00	46.96	.00	84.91	.00	61.91	.00	0	0
DIACRYS	96	456.00	4542.00	20.16	.00	47.86	.00	68.02	.00	53.97	.00	0	0
DIACRYS	97	456.00	4543.00	31.86	.00	43.54	.00	75.40	.00	57.44	.00	0	0
FIRES	98	456.00	4543.50	41.84	.00	44.97	.00	86.81	.00	62.80	.00	0	0
FIRES	99	456.00	4544.00	46.35	.00	45.97	.00	92.32	.00	65.39	.00	0	0
FIRES	100	456.00	4544.50	48.43	.00	48.32	.00	96.75	.00	67.47	.00	0	0
FIRES	101	456.00	4545.00	48.71	.00	56.07	.00	104.78	.00	71.24	.00	0	0
FIRES	102	456.00	4545.50	45.67	.00	55.29	.00	100.96	.00	69.45	.00	0	0

[illegible]: BFG	103	456.00	4546.00	47.67	.00	47.[illegible]	.00	85.69	.00	64.90	.00	0	0
690: BFG	104	456.00	4547.00	44.42	.00	44.[illegible]	.00	79.56	.00	57.93	.00	0	0
691: BFG	105	456.00	4547.50	32.79	.00	43.59	.00	76.38	.00	57.90	.00	0	0
692: OBIOED	106	456.00	4548.00	37.30	.00	50.50	.00	88.55	.00	64.19	.00	0	0
693: OBIOED	107	456.00	4549.00	34.58	.00	50.40	.00	84.98	.00	64.47	.00	0	0
694: AKWELL	108	456.00	4551.00	35.07	.00	42.74	.00	77.81	.00	58.57	.00	0	0
695: AREA	109	456.00	4553.00	28.66	.00	33.15	.00	61.82	.00	51.05	.00	0	0
696: FIRES	110	456.50	4544.50	48.65	.00	48.60	.00	97.25	.00	67.71	.00	0	0
697: BFG	111	456.50	4545.50	45.97	.00	59.07	.00	105.04	.00	74.37	.00	0	0
698: BFG	112	456.50	4547.00	33.04	.00	46.44	.00	79.48	.00	59.35	.00	0	0
699: AREA	113	457.00	4542.00	20.15	.00	47.75	.00	67.89	.00	53.91	.00	0	0
700: AREA	114	457.00	4543.00	32.43	.00	48.53	.00	80.96	.00	60.05	.00	0	0
701: FIRES	115	457.00	4544.00	46.87	.00	45.49	.00	92.36	.00	65.41	.00	0	0
702: FIRES	116	457.00	4545.00	49.27	.00	50.76	.00	100.03	.00	69.01	.00	0	0
703: BFG	117	457.00	4546.00	37.57	.00	55.24	.00	92.81	.00	65.62	.00	0	0
704: BFG	118	457.00	4547.00	32.35	.00	51.22	.00	83.57	.00	61.28	.00	0	0
705: BFG	119	457.00	4547.50	34.35	.00	53.14	.00	84.49	.00	61.71	.00	0	0
706: OBIOED	120	457.00	4549.00	34.55	.00	52.34	.00	83.89	.00	61.43	.00	0	0
707: AKWELL	121	457.00	4550.00	34.84	.00	49.36	.00	84.20	.00	60.16	.00	0	0

708: AKWELL	122	457.00	4551.00	36.69	.00	46.24	.00	82.92	.00	60.97	.00	0	0
709: GORGE	123	457.00	4552.00	37.06	.00	39.97	.00	77.03	.00	58.24	.00	0	0

	RECEPTOR		COORDINATE		AREA		POINT		TOTAL		CALIBRATED		OBS. MEAN	
711:	GO[illegible]	125	457.00	4554.00	27.11	.00	[illegible]08	.00	[illegible]	.00	[illegible]	.00	[illegible]	0
712:	[illegible]	126	[illegible]	[illegible]	[illegible]	.00	[illegible]	.00	[illegible]	.00	[illegible]	.00	0	0
713:	APLA	127	458.00	4543.00	[illegible]	.00	46.57	.00	78.51	.00	58.90	.00	0	0
714:	GDYEAR	128	458.00	4544.00	[illegible]	.00	49.27	.00	95.79	.00	66.55	.00	0	0
715:	GDYEAR	129	458.00	4545.00	47.61	.00	49.59	.00	97.20	.00	67.68	.00	0	0
716:	GDYEAR	130	453.00	4546.00	35.48	.00	48.76	.00	84.25	.00	61.60	.00	0	0
717:	GDYEAR	131	458.00	4547.00	29.75	.00	61.31	.00	91.06	.00	64.80	.00	0	0
718:	OHIOED	132	458.00	4548.00	27.75	.00	58.16	.00	85.91	.00	62.38	.00	0	0
719:	AKWELL	133	458.00	4549.00	28.08	.00	55.30	.00	83.38	.00	61.19	.00	0	0
720:	AKWELL	134	458.00	4549.50	28.57	.00	60.19	.00	88.77	.00	63.72	.00	0	0
721:	AKWELL	135	458.00	4551.00	36.35	.00	50.83	.00	87.19	.00	62.98	.00	0	0

722: CDM1 VERSION 76130, RUN 10
723: (MICROGRAMS PER CUBIC METER)
724: AKRON UNCONTROLLED 1985 PROJECTIONS
725:

726:	RECEPTOR	COORDINATE		AREA		POINT		TOTAL		CALIBRATED		OBS. MEAN	
727:	>>												
728:	ID	X	Y	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2
729:													
730: GORCE	136	458.00	4552.00	38.21	.00	40.29	.00	78.50	.00	58.89	.00	0	0
731: GORCE	137	458.00	4553.00	37.64	.00	36.70	.00	74.34	.00	56.94	.00	0	0
732: GORCE	138	458.00	4554.00	35.20	.00	39.44	.00	74.64	.00	57.08	.00	0	0
733: AKWELL	139	458.50	4550.50	31.80	.00	67.48	.00	99.29	.00	68.67	.00	0	0
734: GORCE	140	458.50	4551.50	36.73	.00	47.69	.00	84.43	.00	61.68	.00	0	0
735: GDYEAR	141	459.00	4543.00	30.46	.00	43.29	.00	73.75	.00	56.66	.00	0	0
736: GDYEAR	142	459.00	4544.00	42.81	.00	42.50	.00	85.31	.00	62.10	.00	0	0
737: GDYEAR	143	459.00	4545.00	44.45	.00	44.36	.00	88.81	.00	63.74	.00	0	0
738: GDYEAR	144	459.00	4546.00	33.21	.00	47.85	.00	81.06	.00	60.10	.00	0	0
739: GDYEAR	145	459.00	4547.00	28.49	.00	53.38	.00	81.87	.00	60.48	.00	0	0
740: GDYEAR	146	459.00	4548.00	26.69	.00	55.91	.00	82.60	.00	60.82	.00	0	0
741: AKWELL	147	459.00	4549.00	26.23	.00	67.74	.00	93.97	.00	66.17	.00	0	0
742: GORCE	148	459.00	4551.00	34.24	.00	58.86	.00	93.09	.00	65.75	.00	0	0
743: GORCE	149	459.00	4552.00	36.38	.00	44.21	.00	80.59	.00	59.88	.00	0	0
744: GORCE	150	459.00	4552.50	36.82	.00	41.45	.00	78.28	.00	58.79	.00	0	0
745: GORCE	151	459.00	4553.00	36.15	.00	40.61	.00	76.76	.00	58.08	.00	0	0

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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.00	48.61	.00	[illegible]	.00	[illegible]	.00	0	0
[illegible]	[illegible]	459.00	4551.50	15.15	.00	[illegible]	.00	73.11	.00	57.10	.00	[illegible]	0
747: CORGE	154	459.00	4554.00	15.61	.00	49.11	.00	74.95	.00	58.75	.00	0	0
748: AREA	154	459.00	4555.00	14.69	.00	48.09	.00	69.72	.00	54.77	.00	0	0
749: GDYEAR	155	459.50	4547.00	27.26	.00	52.43	.00	79.44	.00	59.34	.00	0	0
750: AKWELL	156	459.50	4550.50	26.84	.00	61.96	.00	88.79	.00	63.73	.00	0	0
751: GORGE	157	459.50	4551.50	30.32	.00	52.69	.00	82.54	.00	60.78	.00	0	0
752: GORGE	158	459.50	4552.00	34.10	.00	49.22	.00	80.32	.00	59.75	.00	0	0
753: GORGE	159	459.50	4552.50	31.48	.00	46.72	.00	78.20	.00	58.75	.00	0	0
754: AREA	160	460.00	4542.00	23.74	.00	39.11	.00	62.85	.00	51.54	.00	0	0
755: GDYEAR	161	460.00	4543.00	26.60	.00	41.79	.00	68.39	.00	54.14	.00	0	0
756: GDYEAR	162	460.00	4544.00	29.62	.00	40.74	.00	70.36	.00	55.07	.00	0	0
757: GDYEAR	163	460.00	4545.00	30.86	.00	37.24	.00	68.10	.00	54.01	.00	0	0
758: GDYEAR	164	460.00	4546.00	29.17	.00	44.40	.00	73.57	.00	56.58	.00	0	0
759: GDYEAR	165	460.00	4546.50	27.44	.00	47.72	.00	75.16	.00	57.32	.00	0	0
760: GDYEAR	166	460.00	4547.00	25.74	.00	49.51	.00	75.25	.00	57.37	.00	0	0
761: GDYEAR	167	460.00	4548.00	23.17	.00	62.45	.00	84.62	.00	61.77	.00	0	0
762: AREA	168	460.00	4549.00	21.35	.00	59.92	.00	81.27	.00	60.19	.00	0	0
763: AKWELL	169	460.00	4550.00	22.15	.00	60.02	.00	82.16	.00	60.62	.00	0	0
764: GORGE	170	460.00	4551.00	22.83	.00	57.53	.00	80.35	.00	59.77	.00	0	0

765: GORGE	171	460.00	4552.00	24.11	.00	49.61	.00	73.73	.00	56.65	.00	0	0
766: GORGE	172	460.00	4552.50	24.34	.00	[illegible]	.00	73.51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

GORGE	174	460.00	4553.50	23.27	.00	44.97	.00	68.23	.00	54.07	.00	0	0
GORGE	175	460.00	4554.00	23.02	.00	[illegible].37	.00	62.40	.00	51.33	.00	0	0
AREA	176	460.00	4556.00	17.70	.00	35.64	.00	53.34	.00	47.07	.00	0	0
GDYEAR	177	460.50	4545.50	26.81	.00	47.89	.00	74.70	.00	57.11	.00	0	0
GDYEAR	178	460.50	4546.00	26.56	.00	53.38	.00	79.94	.00	59.57	.00	0	0
GDYEAR	179	460.50	4546.50	25.74	.00	48.53	.00	74.28	.00	56.91	.00	0	0
GDYEAR	180	460.50	4547.00	24.57	.00	50.83	.00	75.40	.00	57.44	.00	0	0

CDM VERSION 76130, RUN 10
(MICROGRAMS PER CUBIC METER)
AKRON UNCONTROLLED 1985 PROJECTIONS

RECEPTOR		COORDINATE		AREA		POINT		TOTAL		CALIBRATED		OBS. MEAN	
	ID	X	Y	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2
GORGE	181	460.50	4552.50	20.97	.00	51.12	.00	72.09	.00	55.88	.00	0	0
GORGE	182	460.50	4553.50	20.26	.00	48.08	.00	68.34	.00	54.12	.00	0	0
AREA	183	461.00	4542.00	24.08	.00	36.15	.00	60.24	.00	50.31	.00	0	0
GDYEAR	184	461.00	4543.00	24.50	.00	39.94	.00	64.44	.00	52.29	.00	0	0
GDYEAR	185	461.00	4544.00	24.09	.00	46.64	.00	70.73	.00	55.24	.00	0	0
GDYEAR	186	461.00	4546.00	25.00	.00	52.49	.00	77.49	.00	58.42	.00	0	0
GDYEAR	187	461.00	4547.00	23.88	.00	59.32	.00	83.20	.00	61.10	.00	0	0
GDYEAR	188	461.00	4548.00	22.12	.00	53.38	.00	75.50	.00	57.49	.00	0	0
AREA	189	461.00	4549.00	19.42	.00	58.64	.00	78.06	.00	58.69	.00	0	0
GORGE	190	461.00	4551.00	18.71	.00	53.02	.00	71.73	.00	55.71	.00	0	0
GORGE	191	461.00	4552.00	19.06	.00	51.60	.00	70.67	.00	55.21	.00	0	0
GORGE	192	461.00	4553.00	18.41	.00	48.91	.00	67.32	.00	53.64	.00	0	0
GORGE	193	461.00	4554.00	18.09	.00	46.51	.00	64.59	.00	52.36	.00	0	0
GDYEAR	194	461.50	4545.50	23.20	.00	47.62	.00	70.82	.00	55.29	.00	0	0
GDYEAR	195	461.50	4546.00	23.60	.00	52.65	.00	76.25	.00	57.84	.00	0	0
GDYEAR	196	461.50	4546.50	23.27	.00	58.00	.00	81.27	.00	60.20	.00	0	0
AREA	197	462.00	4542.00	22.56	.00	40.96	.00	63.52	.00	51.86	.00	0	0
AREA	198	462.00	4543.00	22.69	.00	45.40	.00	68.09	.00	54.00	.00	0	0
GDYEAR	199	462.00	4594.00	.65	.00	4.69	.00	5.34	.00	24.51	.00	0	0
GDYEAR	200	462.00	4545.00	22.28	.00	45.47	.00	67.74	.00	53.84	.00	0	0

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	GDYEAR	201	462.00	4546.00	22.87	.00	51.97	.00	74.85	.00	57.18	.00	0	0
804:	GDYE	202	462.00	4547.00	22.26	.00	57	.00	79.81	.00	59.51	.00		0
805:	GDYEAR	203	462.00	4548.00	20.54	.00	61.80	.00	82.34	.00	60.84	.00	0	0
806:	AREA	204	462.00	4549.00	17.52	.00	55.60	.00	73.12	.00	56.17	.00	0	0
807:	AREA	205	462.00	4550.00	17.24	.00	52.24	.00	69.50	.00	54.66	.00	0	0
808:	AREA	206	462.00	4551.00	16.73	.00	50.40	.00	67.13	.00	53.55	.00	0	0
809:	GORGE	207	462.00	4553.00	16.53	.00	47.76	.00	64.28	.00	52.24	.00	0	0
810:	GORGE	208	462.00	4555.00	16.54	.00	44.98	.00	61.52	.00	49.54	.00	0	0
811:	GORGE	209	462.00	4556.00	14.34	.00	38.85	.00	54.19	.00	47.00	.00	0	0
812:	GDYEAR	210	463.00	4543.00	21.08	.00	40.31	.00	61.39	.00	50.85	.00	0	0
813:	GDYEAR	211	463.00	4544.00	21.62	.00	40.94	.00	62.57	.00	51.41	.00	0	0
814:	GDYEAR	212	463.00	4545.00	21.43	.00	43.24	.00	64.67	.00	52.39	.00	0	0
815:	GDYEAR	213	463.00	4546.00	22.08	.00	51.95	.00	74.04	.00	56.80	.00	0	0
816:	GDYEAR	214	463.00	4547.00	21.30	.00	51.90	.00	73.20	.00	56.40	.00	0	0
817:	GDYEAR	215	463.00	4548.00	19.29	.00	55.94	.00	75.23	.00	57.36	.00	0	0
818:	AREA	216	463.00	4549.00	16.32	.00	54.52	.00	70.84	.00	55.29	.00	0	0
819:	AREA	217	463.00	4550.00	15.78	.00	57.32	.00	73.10	.00	56.36	.00	0	0
820:	GORGE	218	463.00	4553.00	16.17	.00	45.02	.00	61.19	.00	50.76	.00	0	0
821:	GORGE	219	463.00	4554.00	17.71	.00	42.78	.00	60.49	.00	50.43	.00	0	0

822:	OHIO	220	439.00	4540.00	4.13	.00	13.47	.00	17.60	.00	30.27	.00	0	0
823:	MATCH	221	440.00	4541.00	3.83	.00	15.37	.00	19.20	.00	31.02	.00	0	0

RECEPTOR	ID	X	Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
PPG	223	445.00	4540.00	17.16	.00	[illegible]	.00	32.50	.00	37.28	.00	0	0
PPG	224	445.00	4541.00	9.59	.00	15.04	.00	24.63	.00	33.58	.00	0	0
PPG	225	446.00	4539.00	20.56	.00	16.16	.00	36.72	.00	39.26	.00	0	0

CDMI VERSION 76130, RUN 10
(MICROGRAMS PER CUBIC METER)
AKRON UNCONTROLLED 1985 PROJECTIONS

RECEPTOR	COORDINATE		AREA		POINT		TOTAL		CALIBRATED		OBS. MEAN	
ID	X	Y	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2
PPG 226	447.00	4539.00	18.07	.00	15.16	.00	33.24	.00	37.62	.00	0	0
PPG 227	448.00	4539.00	12.29	.00	16.66	.00	28.95	.00	35.60	.00	0	0
PPG 228	449.00	4539.00	11.68	.00	22.47	.00	34.15	.00	38.05	.00	0	0
PPG 229	450.00	4539.00	11.66	.00	29.21	.00	40.88	.00	41.21	.00	0	0
AKUELL 230	456.00	4550.00	32.94	.00	48.39	.00	81.33	.00	60.22	.00	0	0
PPG 231	447.00	4538.00	14.57	.00	15.99	.00	31.56	.00	36.83	.00	0	0
PPG 232	448.00	4538.00	11.06	.00	18.88	.00	29.95	.00	36.07	.00	0	0
PPG 233	449.00	4538.00	10.27	.00	26.86	.00	37.13	.00	39.45	.00	0	0
BFG 234	453.00	4545.00	41.00	.00	48.16	.00	89.16	.00	63.90	.00	0	0
DIACRYS 235	454.00	4542.00	22.53	.00	37.20	.00	59.73	.00	50.07	.00	0	0

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
AKRON UNCONTROLLED 1985 PROJECTIONS

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FROM POINT SOURCES

SOURCE	RECEPTOR 111	RECEPTOR 101	RECEPTOR 94	RECEPTOR 102	RECEPTOR 116	RECEPTOR 139	RECEPTOR 110	RECEPTOR 129	RECEPTOR 100	REC 86
1	2.64	2.78	2.86	2.71	1.98	1.82	2.09	1.84	2.17	2.94
	3.69%	3.91%	4.03%	3.90%	2.87%	2.66%	3.09%	2.72%	3.22%	4.40%
2	1.93	2.06	2.12	1.99	1.44	1.30	1.52	1.32	1.59	2.19
	2.71%	2.89%	2.98%	2.87%	2.08%	1.89%	2.25%	1.96%	2.35%	3.27%
3	3.69	3.01	3.88	3.75	2.86	2.85	2.96	2.71	3.04	3.94
	5.17%	4.22%	5.46%	5.40%	4.14%	4.15%	4.37%	4.01%	4.50%	5.89%

4	.69	.71	.72	.71	.65	.85	.65	.55	.71	.71
	.96%	.99%	1.01%	1.02%	[illegible]	1.24%	.97%	.82%	1.05%	1.06%
5	.69	.71	.71	.71	.65	.85	.65	.55	.71	.71
	.96%	.99%	1.00%	1.02%	.94%	1.24%	.96%	.82%	1.05%	1.06%
6	.70	.69	.66	.69	.68	.68	.62	.58	.69	.63
	.98%	.96%	.93%	.99%	.99%	.99%	.92%	.85%	1.02%	.94%
7	1.00	.96	.90	.96	1.00	.86	.85	.86	.96	.84
	1.40%	1.34%	1.27%	1.38%	1.45%	1.25%	1.25%	1.26%	1.42%	1.26%
8	.20	.16	.13	.16	.25	.10	.15	.43	.16	.11
	.28%	.23%	.19%	.23%	.36%	.15%	.23%	.64%	.24%	.17%
9	.38	.21	.06	.17	.36	.30	.25	.43	.11	.05
	.53%	.29%	.09%	.25%	.52%	.43%	.36%	.64%	.17%	.07%

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10	1.39	.76	.23	.65	[illegible]	1.03	.89	1.58	.41	.17
	1.95%	1.07%	.32%	.93%	1.92%	1.49%	1.32%	2.33%	.61%	.25%
11	1.21	.66	.20	.56	1.15	.89	.78	1.37	.36	.14
	1.70%	.93%	.28%	.81%	1.67%	1.30%	1.15%	2.03%	.53%	.22%
12	.35	.20	.19	.16	.47	.77	.25	.53	.22	.16
	.49%	.28%	.26%	.23%	.68%	1.13%	.37%	.78%	.32%	.24%
13	.70	.40	.37	.32	.94	1.55	.49	1.05	.44	.32
	.98%	.57%	.52%	.46%	1.36%	2.26%	.73%	1.55%	.64%	.48%
14	.46	.27	.25	.21	.65	1.14	.34	.75	.29	.22
	.65%	.38%	.35%	.30%	.93%	1.66%	.50%	1.10%	.43%	.33%
15	.48	.49	.49	.50	.45	.67	.48	.54	.49	.49
	.68%	.68%	.69%	.73%	.65%	.98%	.71%	.79%	.72%	.73%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
AKRON UNCONTROLLED 1985 PROJECTIONS

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FROM POINT SOURCES

SOURCE	RECEPTOR 111	RECEPTOR 101	RECEPTOR 94	RECEPTOR 102	RECEPTOR 116	RECEPTOR 139	RECEPTOR 110	RECEPTOR 129	RECEPTOR 100	REC 86
16	1.53	1.70	1.72	1.63	1.15	.33	1.30	.93	1.36	1.02
	2.15%	2.38%	2.42%	2.35%	1.67%	.48%	1.92%	1.38%	2.01%	1.53%
17	1.53	1.70	1.72	1.63	1.15	.33	1.30	.93	1.36	1.02
	2.15%	2.38%	2.42%	2.35%	1.67%	.48%	1.92%	1.38%	2.01%	1.53%
18	1.53	1.70	1.72	1.63	1.15	.33	1.30	.93	1.36	1.02
	2.15%	2.38%	2.42%	2.35%	1.67%	.48%	1.92%	1.38%	2.01%	1.53%

		2.15%	2.38%	2.42%	2.15%	1.67%	.48%	1.92%	1.38%	2.01%	1.73%
922:	>>										
923:	20	.07	.07	.06	.06	.07	.23	.07	.08	.07	.06
924:		.10%	.10%	.08%	.08%	.11%	.34%	.11%	.12%	.11%	.08%
925:	>>										
926:	21	.09	.09	.07	.07	.09	.28	.09	.09	.09	.07
927:		.13%	.13%	.10%	.10%	.13%	.41%	.13%	.14%	.13%	.10%
928:	>>>										
929:	22	.35	.35	.26	.26	.35	1.07	.34	.35	.34	.26
930:		.49%	.49%	.37%	.38%	.50%	1.56%	.50%	.52%	.50%	.39%
931:	>>>										
932:	23	.23	.24	.25	.24	.22	.22	.24	.21	.25	.26
933:		.32%	.34%	.35%	.34%	.32%	.32%	.35%	.31%	.36%	.39%
934:	>>>										
935:	24	2.30	2.75	2.96	2.52	1.67	.46	2.01	1.30	2.28	1.93

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936:		3.23%	3.86%	4.16%	3.63%	2.42%	.66%	2.98%	1.92%	3.38%	2.89%
937:	>>>										
938:	25	.14	.14	.15	.15	.12	.16	.13	.11	.14	.17

SOURCE	RECEPTOR 111	RECEPTOR 101	RECEPTOR 94	RECEPTOR 102	RECEPTOR 116	RECEPTOR 139	RECEPTOR 110	RECEPTOR 129	RECEPTOR 100	REC 86
	[illegible]	[illegible]	[illegible]							
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.09
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.09%	[illegible]	[illegible]
27	.13	.12	.11	.14	.13	5.24	.11	.18	.10	.11
	.20%	.17%	.16%	.19%	.19%	7.64%	.16%	.26%	.15%	.16%
28	.14	.12	.11	.14	.13	5.24	.11	.18	.10	.11
	.20%	.17%	.16%	.19%	.19%	7.64%	.16%	.26%	.15%	.16%
29	.02	.01	.01	.01	.01	.79	.01	.02	.01	.01
	.02%	.02%	.02%	.02%	.02%	1.16%	.02%	.03%	.02%	.02%
30	.04	.05	.05	.04	.04	.03	.04	.03	.05	.07
	.06%	.06%	.07%	.06%	.06%	.04%	.07%	.05%	.07%	.11%

-----SOURCE CONTRIBUTION TABLE-----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
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FROM POINT SOURCES

SOURCE	RECEPTOR 111	RECEPTOR 101	RECEPTOR 94	RECEPTOR 102	RECEPTOR 116	RECEPTOR 139	RECEPTOR 110	RECEPTOR 129	RECEPTOR 100	REC 86
31	.03	.03	.04	.03	.03	.02	.03	.03	.04	.05
	.04%	.05%	.05%	.05%	.04%	.03%	.05%	.04%	.05%	.08%
32	.09	.10	.10	.09	.08	.06	.09	.07	.10	.11
	.12%	.13%	.15%	.13%	.12%	.09%	.14%	.11%	.15%	.17%
33	.04	.05	.05	.04	.04	.03	.04	.03	.05	.05
	.06%	.06%	.07%	.06%	.06%	.04%	.06%	.05%	.07%	.08%
34	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
									[illegible]	.02%

977:											
978:											
979:											
980:											
981:	36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
982:		.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
983:											
984:	37	.62	.59	.58	.61	.61	.45	.58	.82	.58	.58
985:		.86%	.83%	.82%	.88%	.88%	.51%	.86%	1.24%	.85%	.86%
986:											
987:	38	.66	.63	.63	.65	.65	.39	.62	.88	.61	.62
988:		.93%	.89%	.88%	.94%	.94%	.57%	.92%	1.30%	.91%	.92%
989:											
990:	39	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01
991:		.02%	.02%	.02%	.02%	.02%	.03%	.02%	.02%	.02%	.02%
992:											

993:	40	.01	.01	.01	.01	.01	.01	.00	.01	.00	.01
994:		.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%

41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.01%	.00%	.00%	.00%	.00%
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.01%	.00%	.00%	.00%	.00%
43	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.02%	.01%	.01%	.01%	.01%
44	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.02%	.01%	.01%	.01%	.01%
45	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.02%	.01%	.01%	.01%	.01%

FROM AREA SOURCES

WIND SECTOR	RECEPTOR 111	RECEPTOR 101	RECEPTOR 94	RECEPTOR 102	RECEPTOR 116	RECEPTOR 139	RECEPTOR 110	RECEPTOR 129	RECEPTOR 100	REC 86
N	.81	.95	.93	.78	.93	1.04	1.12	.90	1.19	.89
	1.13%	1.33%	1.31%	1.12%	1.35%	1.51%	1.66%	1.33%	1.63%	1.33%
NNE	.53	.68	.75	.56	.57	.61	.78	.51	.81	.80
	.74%	.95%	1.06%	.80%	.83%	.89%	1.16%	.75%	1.20%	1.19%
NE	.49	.81	.84	.56	.73	.66	1.07	.72	1.10	.90
	.69%	1.14%	1.19%	.80%	1.06%	.96%	1.58%	1.06%	1.63%	1.34%
ENE	.29	.65	.66	.30	.64	.36	.85	.60	.87	.67
	.41%	.91%	.92%	.44%	.93%	.52%	1.26%	.88%	1.29%	1.01%
E	.82	1.32	1.34	.91	1.17	.34	1.18	.85	1.34	1.49
	1.15%	1.85%	1.89%	1.30%	1.69%	.50%	1.75%	1.26%	1.98%	2.23%
ESE	.73	.83	.83	.82	.72	.15	.73	.53	.79	.90
	1.02%	1.17%	1.17%	1.19%	1.04%	.22%	1.08%	.78%	1.18%	1.35%

1034:	[illegible]	2.16	1.90	1.87	2.11	1.95	.56	1.58	1.67	[illegible]	[illegible]
1035:		3.02%	2.66%	2.63%	3.04%	2.83%	.82%	2.33%	2.46%	2.3[illegible]	2.76%
1036:	>>>>>>>>>>>>>>>>>>>>										
1037:	SSE	1.20	.99	.99	1.20	.99	.53	.84	1.05	.83	.98
1038:		1.69%	1.39%	1.39%	1.73%	1.44%	.77%	1.24%	1.55%	1.23%	1.47%
1039:	>>>>>>>>>>>>>>>>>>>>										
1040:	S	2.24	1.88	1.89	2.23	1.87	1.62	1.54	1.67	1.54	1.95
1041:		3.13%	2.63%	2.66%	3.22%	2.71%	2.35%	2.28%	2.76%	2.29%	2.91%
1042:	>>>>>>>>>>>>>>>>>>>>										
1043:	SSW	1.89	1.61	1.63	1.91	1.57	1.32	1.35	1.52	1.37	1.56
1044:		2.65%	2.27%	2.29%	2.75%	2.27%	1.93%	1.99%	2.25%	2.03%	2.33%
1045:	>>>>>>>>>>>>>>>>>>>>										
1046:	SW	3.55	3.11	3.04	3.46	3.18	2.22	2.62	3.15	2.64	2.94
1047:		4.97%	4.36%	4.28%	4.98%	4.61%	3.24%	3.87%	4.65%	3.92%	4.39%
1048:	>>>>>>>>>>>>>>>>>>>>										
1049:	WSW	2.92	2.65	2.56	2.70	2.96	1.39	2.73	3.10	2.55	2.28

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1050:		4.09%	3.72%	3.60%	3.88%	4.29%	2.02%	4.04%	4.58%	3.77%	3.42%
1051:	>>>>>>>>>>>>>>>>>>>>										
1052:	W	1.77	2.22	2.14	1.70	2.60	1.28	2.39	2.77	2.26	1.92

```
1054: >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

1055: NNW       .77       1.27       1.26       .76       1.29       .95       1.57       [illegible]       [illegible]       [illegible]

1056:          1.08%      1.78%      1.77%      1.10%      1.88%      1.39%      2.32%      1.88%      [illegible]      1.82%
1057: >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

1058: NW        .90       1.30       1.36       .95       1.22       1.16       1.63       1.16       1.69       1.42

1059:          1.26%      1.83%      1.92%      1.36%      1.77%      1.69%      2.41%      1.72%      2.50%      2.13%
1060: >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

1061: NNW       .53       .73       .73       .51       .75       .75       .87       .72       .88       .79

1062:          .75%      1.03%      1.03%      .74%      1.09%      1.10%      1.29%      1.07%      1.30%      1.19%
1063: >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

1064:                                  ----SOURCE CONTRIBUTION TABLE----
1065:                                          ANNUAL SO2
1066:                                   (MICROGRAM PER CUBIC METER)
1067:                                    AKRON   UNCONTROLLED 1985 PROJECTIONS
1068:
1069:                                         ****TOTALS****
1070: >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

1071:  WIND    RECEPTOR    RECEPTOR    RECEPTOR    RECEPTOR    RECEPTOR    RECEPTOR    RECEPTOR    RECEPTOR    RECEPTOR    REC
1072: SECTOR     111         101          94         102         116         139         110         129         100        86

1073: >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

1074: TOTAL   49.4+22.0   49.2+22.0   49.0+22.0   47.5+22.0   47.0+22.0   46.7+22.0   45.7+22.0   45.7+22.0   45.5+22.0   44.
1075: >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

1076: ----------------------------------------------------------------------------------------------------------

1077:@BRKPT PRINT$
1077:>exit
NO CORRECTIONS APPLIED.
>
```

CDM CLEVELAND UNREGULATED 1985 PROJECTIONS
10 SELECTED RECEPTORS

CDMI VERSION 7.130. RUN 11

THE CENTRAL WIND SPEEDS OF THE SIX WIND SPEED CLASSES (U):

.150000+01 .245872+01 .447040+01 .692912+01 .961136+01 .125171+02

THE EXPONENTIAL OF THE VERTICAL WIND PROFILE BY STABILITY CLASS (UE):

.100000+00 .150000+00 .200000+00 .250000+00 .250000+00 .300000+00

THE INITIAL SIGMA Z FOR AREA SOURCES BY STABILITY CLASS (SZA):

.300000+02 .300000+02 .300000+02 .300000+02 .300000+02 .300000+02

THE CLIMATOLOGICAL MEAN NOCTURNAL AND AFTERNOON MIXING HEIGHTS (HMIN,HT):

.550000+03 .120000+04

THE DAY AND NIGHT EMISSION WEIGHT FACTORS (YD,YN):

.114000+01 .860000+00

THE X-MIN AND Y-MIN OF THE AREA EMISSION INVENTORY GRID (XG,YG):

.390000+03 .455000+04

THE WIDTH OF A BASIC AREA SOURCE SQUARE (TXX):

.125000+04

THE NUMBER OF SUB-SECTORS CONSIDERED IN A 22.5 DEGREE SECTOR, AND ANGULAR WIDTH OF A SUB-SECTOR (DINT,THETA):

.400000+01 .562500+01

THE INITIAL RADIAL INCREMENT (DELR):

.500000+03

THE RADIAL INCREMENT FACTORS (INC):

1 2 4 4

THE RATIO OF EMISSION GRID TO MAP GRID (RAT):

.125000+01

THE GRID CONVERSION FACTOR (CV):

.100000+0-

THE AMBIENT AIR TEMPERATURE (TOA):

.283260+03

THE DECAY RATE HALF LIFE FOR P 1 AND P 2 (GB):

.400000+01 .999999+06

INTERCEPTS FOR P 1 AND P 2 (CA):

.172300+02 .000000

SLOPES FOR P 1 AND P 2 (CB AND CC):

.610000+00 .100000+01 .176000+01 .100000+01

THE SIGMA Z COEFFICIENT TABLE (G):

.253700-03	.253700-03	.383000-01	.208860+01	.208860+01	.128120+01
.493600-01	.493600-01	.139300+00	.111370+01	.111370+01	.946700+00
.115400+00	.101400+00	.114000+00	.910900+00	.926000+00	.910000+00
.736100+00	.299100+00	.856000-01	.564200+00	.686900+00	.665000+00
.129690+01	.452700+00	.818000-01	.442100+00	.634100+00	.815500+00

METEROLOGICAL DATA

COMI VERSION 76130. RUN 11

SECTOR	U1	U2	U3	U4	U5	U6
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 1			
1	.170000-03	.270000-03	.000000	.000000	.000000	.000000
2	.400000-04	.700000-04	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000	.000000	.000000
5	.400000-04	.700000-04	.000000	.000000	.000000	.000000
6	.400000-04	.700000-04	.000000	.000000	.000000	.000000
7	.150000-03	.700000-04	.000000	.000000	.000000	.000000
8	.800000-04	.140000-03	.000000	.000000	.000000	.000000
9	.280000-03	.270000-03	.000000	.000000	.000000	.000000
10	.150000-03	.700000-04	.000000	.000000	.000000	.000000
11	.260000-03	.700000-04	.000000	.000000	.000000	.000000
12	.400000-04	.700000-04	.000000	.000000	.000000	.000000
13	.800000-04	.140000-03	.000000	.000000	.000000	.000000
14	.400000-04	.700000-04	.000000	.000000	.000000	.000000
15	.400000-04	.700000-04	.000000	.000000	.000000	.000000
16	.800000-04	.140000-03	.000000	.000000	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 2			
1	.600000-03	.301000-02	.438000-02	.000000	.000000	.000000
2	.140000-03	.680000-03	.164000-02	.000000	.000000	.000000
3	.260000-03	.340000-03	.210000-03	.000000	.000000	.000000
4	.270000-03	.410000-03	.700000-04	.000000	.000000	.000000
5	.260000-03	.340000-03	.000000	.000000	.000000	.000000
6	.180000-03	.270000-03	.210000-03	.000000	.000000	.000000
7	.370000-03	.680000-03	.700000-04	.000000	.000000	.000000
8	.112000-02	.620000-03	.340000-03	.000000	.000000	.000000
9	.810000-03	.130000-02	.820000-03	.000000	.000000	.000000
10	.670000-03	.680000-03	.750000-03	.000000	.000000	.000000
11	.710000-03	.110000-02	.144000-02	.000000	.000000	.000000
12	.600000-03	.750000-03	.750000-03	.000000	.000000	.000000
13	.380000-03	.820000-03	.960000-03	.000000	.000000	.000000
14	.380000-03	.750000-03	.680000-03	.000000	.000000	.000000
15	.210000-03	.130000-02	.110000-02	.000000	.000000	.000000
16	.700000-03	.171000-02	.123000-02	.000000	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 3			
1	.670000-03	.199000-02	.106200-01	.178000-02	.000000	.000000
2	.140000-03	.820000-03	.473000-02	.171000-02	.140000-03	.000000
3	.140000-03	.890000-03	.171000-02	.550000-03	.000000	.000000
4	.270000-03	.620000-03	.550000-03	.000000	.000000	.000000
5	.400000-04	.480000-03	.110000-02	.000000	.000000	.000000
6	.100000-03	.270000-03	.890000-03	.270000-03	.000000	.000000
7	.300000-03	.103000-02	.130000-02	.000000	.000000	.000000
8	.470000-03	.123000-02	.219000-02	.700000-04	.000000	.000000
9	.850000-03	.329000-02	.651000-02	.116000-02	.210000-03	.000000
10	.690000-03	.226000-02	.685000-02	.103000-02	.700000-04	.000000
11	.270000-03	.253000-02	.610000-02	.144000-02	.700000-04	.700000-04
12	.170000-03	.116000-02	.459000-02	.123000-02	.210000-03	.000000
13	.290000-03	.890000-03	.397000-02	.820000-03	.140000-03	.000000
14	.160000-03	.210000-03	.295000-02	.680000-03	.000000	.000000
15	.330000-03	.410000-03	[illegible]	.270000-03	.700000-04	.000000
16	.240000-03	.123000-02	.445000-02	.410000-03	.000000	.000000

SECTOR	U1	U2	U3	U4	U5	U6
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 4			
1	.520000-03	.589000-02	.111600-01	.856000-02	.620000-03	.000000
2	.100000-03	.247000-02	.493000-02	.575000-02	.820000-03	.000000
3	.290000-03	.185000-02	.370000-02	.349000-02	.890000-03	.700000-04
4	.400000-04	.890000-03	.199000-02	.960000-03	.700000-04	.000000
5	.300000-04	.820000-03	.301000-02	.144000-02	.270000-03	.000000
6	.400000-04	.890000-03	.384000-02	.164000-02	.140000-03	.000000
7	.370000-03	.226000-02	.329000-02	.158000-02	.700000-04	.000000
8	.480000-03	.315000-02	.466000-02	.301000-02	.480000-03	.700000-04
9	.220000-03	.363000-02	.133600-01	.190400-01	.411000-02	.680000-03
10	.400000-03	.459000-02	.870000-02	.154800-01	.363000-02	.750000-03
11	.170000-03	.438000-02	.932000-02	.163000-01	.445000-02	.110000-02
12	.470000-03	.281000-02	.726000-02	.134200-01	.418000-02	.960000-03
13	.130000-03	.151000-02	.589000-02	.102100-01	.171000-02	.340000-03
14	.290000-03	.185000-02	.658000-02	.911000-02	.130000-02	.210000-03
15	.220000-03	.199000-02	.555000-02	.658000-02	.137000-02	.000000
16	.280000-03	.178000-02	.568000-02	.356000-02	.123000-02	.700000-04
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 5			
1	.138000-02	.521000-02	.952000-02	.753000-02	.550000-03	.000000
2	.670000-03	.315000-02	.651000-02	.377000-02	.270000-03	.000000
3	.560000-03	.199000-02	.589000-02	.342000-02	.340000-03	.700000-04
4	.110000-03	.116000-02	.390000-02	.123000-02	.700000-04	.000000
5	.280000-03	.137000-02	.555000-02	.144000-02	.700000-04	.000000
6	.200000-03	.137000-02	.589000-02	.199000-02	.270000-03	.000000
7	.630000-03	.192000-02	.568000-02	.219000-02	.140000-03	.000000
8	.840000-03	.342000-02	.966000-02	.507000-02	.960000-03	.700000-04
9	.770000-03	.349000-02	.245900-01	.221900-01	.390000-02	.680000-03
10	.950000-03	.459000-02	.159600-01	.102700-01	.192000-02	.270000-03
11	.106000-02	.500000-02	.145900-01	.117100-01	.308000-02	.960000-03
12	.600000-03	.240000-02	.113000-01	.130800-01	.390000-02	.820000-03
13	.280000-03	.219000-02	.774000-02	.822000-02	.192000-02	.700000-04
14	.340000-03	.288000-02	.795000-02	.856000-02	.960000-03	.750000-03
15	.760000-03	.253000-02	.637000-02	.644000-02	.185000-02	.700000-04
16	.520000-03	.240000-02	.459000-02	.541000-02	.110000-02	.700000-04
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 6			
1	.346000-02	.870000-02	.288000-02	.000000	.000000	.000000
2	.160000-02	.685000-02	.253000-02	.000000	.000000	.000000
3	.129000-02	.623000-02	.185000-02	.000000	.000000	.000000
4	.530000-03	.336000-02	.144000-02	.000000	.000000	.000000
5	.106000-02	.363000-02	.123000-02	.000000	.000000	.000000
6	.810000-03	.377000-02	.205000-02	.000000	.000000	.000000
7	.283000-02	.101300-01	.137000-02	.000000	.000000	.000000
8	.569000-02	.143900-01	.452000-02	.000000	.000000	.000000
9	.906000-02	.237000-01	.121200-01	.000000	.000000	.000000
10	.516000-02	.197300-01	.115100-01	.000000	.000000	.000000
11	.295000-02	.137700-01	.699000-02	.000000	.000000	.000000
12	.154000-02	.502000-02	.288000-02	.000000	.000000	.000000
13	.106000-02	.267000-02	.160000-03	.000000	.000000	.000000
14	.690000-03	.261000-02	.130000-02	.000000	.000000	.000000
15	.192000-02	.356000-02	.130000-02	.000000	.000000	.000000
16	.251000-02	.411000-02	.820000-03	.000000	.000000	.000000

** SOURCE CONTRIBUTION VERSION OF CDM **

CLEVELAND UNREGULATED 1985 PROJECTIONS

THE TEN	SELECTED RECEPTORS									
P1	81	82	120	140	128	133	207	211	216	199
P2	0	0	0	0	0	0	0	0	0	0

NO STATISTICAL DATA NEEDED

@ADD,P CSFP-CL-BPT2.

CLEVELAND 1985 EMISSION INVENTORY
POINT AND AREA SOURCES

CDMI VERSION 76130. RUN 11

SOURCE ID	INPUT	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO.	1	DIVISION OF POWER&LIGHT-CLEV.MUNY,B001,COAL,BOILER#1,5251MARGINALDR/CLE/CUY									
P 1		445.30	4597.60	.00	114.200	.000	49.80	2.90	13.90	160.00	.00
SOURCE NO.	2	DIVISION OF POWER&LIGHT-CLEV.MUNY,B002-6,COAL,BOILERS #2-6,MARGINALDR/CLE/CUY									
P 2		445.30	4597.60	.00	302.200	.000	52.70	2.60	10.80	177.00	.00
SOURCE NO.	3	DIVISION PUMPINGSTATION,B001-6,COAL,1245W45TH/CLE/CUY,									
P 3		440.50	4593.30	.00	70.500	.000	69.50	2.70	4.10	249.00	.00
SOURCE NO.	4	CEI-LAKESHORE,B004,COAL,UNIT#18,6800SMARGINALDR/CLE/CUY									
P 4		446.40	4598.30	.00	998.000	.000	97.60	5.20	12.50	147.00	.00
SOURCE NO.	5	CEI-LAKESHORE,B004,COAL,UNIT#94MARGINALDR/CLE/CUY									
P 5		446.40	4598.30	.00	349.000	.000	81.70	3.70	9.70	118.00	.00
SOURCE NO.	6	CEI-LAKESHORE,B003,COAL,UNIT#93,MARGINALDR/CLE/CUY									
P 6		446.40	4598.30	.00	327.000	.000	81.70	3.70	9.70	118.00	.00
SOURCE NO.	7	CEI-LAKESHORE,B002&5,COAL&OIL,UNIT#92&TURBINEMARGINALDR/CLE/CUY									
P 7		446.40	4598.30	.00	286.000	.000	81.70	3.70	7.10	116.00	.00
SOURCE NO.	8	CEI-LAKESHORE,B001,COAL,UNIT#91,MARGINALDR/CLE/CUY									
P 8		446.40	4598.30	.00	293.000	.000	81.70	3.70	7.10	116.00	.00
SOURCE NO.	9	CEI-CANALROAD-STEAMHEATINGPLANT,B001-5,COAL,2274CANALRD/CLE/CUY,(73)									
P 9		442.40	4593.70	.00	60.000	.000	95.70	3.70	9.00	304.00	.00
SOURCE NO.	10	CEI-HAMILTONAVE/STEAMHEATINGPLANT,B001-6,OIL,1901HAMAVE/CLE/CUY									
P 10		444.30	4596.20	.00	18.200	.000	87.00	4.30	8.00	274.00	.00
SOURCE NO.	11	DUPONTCHEMICAL,B001,BOILER#18,OIL,2981INDEPENDENCE/CLE./CUY(73)									
P 11		444.50	4590.40	.00	2.900	.000	15.00	1.20	10.90	171.00	.00
SOURCE NO.	12	DUPONT CHEMICAL-SULFUR BURNING CONTACT PROCESS,P001,INDEPENDENCE/CLE./CUY73)									
P 12		444.50	4590.40	.00	105.620	.000	61.00	1.40	11.00	80.00	125.00
SOURCE NO.	13	GMC-FISHERBODY,B001-3,BOILERS#7,8,9,13815COITRD/CLE/CUY									
P 13		450.80	4600.00	.00	28.500	.000	45.70	3.30	3.60	232.00	.00
SOURCE NO.	14	FMC-CLEV.CASTINGPLANT,P011&15,CUPOLA#1-5,5600ENGIE/BROOKPK/CUY									
P 14		431.20	4584.60	.00	33.440	.000	40.00	1.70	17.00	74.00	.00
SOURCE NO.	15	FMC-CLEV.CASTINGPLANT,P016,CUPOLA#6,5600ENGIE/BROOKPK/CUY									
P 15		431.20	4584.40	.00	8.160	.000	40.00	3.40	6.10	71.00	.00
SOURCE NO.	16	FMC-CLEV.CASTINGPLANT,P017,CUPOLA#7,5600ENGIE/BROOKPK/CUY									
P 16		431.20	4584.30	.00	7.460	.000	40.00	3.40	18.70	160.00	.00
SOURCE NO.	17	FMC-ENGINEPLANT#2,B020-24,BOILER#1-5,18300FIVEPOINTRD/BROOKPK/CUY(73)									
P 17		430.70	4583.80	.00	151.500	.000	41.80	4.60	6.00	293.00	.00
SOURCE NO.	18	FMC-STAMPINGPLANT,B002-4,BOILERS#3,2,1,7845NORTHFIELDRD/WALTONHILLS/CUY									
P 18		456.10	4577.90	.00	13.400	.000	23.80	1.40	6.70	196.00	.00
SOURCE NO.	19	GENERALELECTRIC-REF.MET.PROD.,B001-02,OIL,BOILER#1,2,21800TUNGSTENRD/EUCLID/CUY									
P 19		455.60	4602.70	.00	20.500	.000	15.50	1.40	13.50	232.00	.00
SOURCE NO.	20	GENERALELECTRIC,B003-04,COAL,BOILERS#3,#5,TUNGSTENRD/EUCLID/CUY STANDBY									
P 20		455.60	4602.70	.00	.000	.000	45.70	2.00	2.80	260.00	.00
SOURCE NO.	21	HARSHAWCHEMICAL,B001,OIL,BOILER#7,1000HARVARD/CLE/CUY									
P 21		442.70	4588.50	.00	6.200	.000	19.80	1.80	5.50	204.00	.00
SOURCE NO.	22	HARSHAWCHEMICAL,B002,3,OIL,BOILERS#8,91000HARVARD/CLE/CUY									
P 22		442.70	4588.50	.00	2.910	.000	14.00	.80	12.90	204.00	.00
SOURCE NO.	23	HARSHAWCHEMICAL,P020,KILNABSORBTIONUNITS,HARVARD/CLE/CUY									
P 23		442.80	4588.80	.00	4.350	.000	36.60	.20	69.30	25.00	38.00
SOURCE NO.	24	HIGHLANDVIEWHOSP,B001,2,COAL,3901HIGHLANDDR/HARREENULLE/CUY(75)									
P 24		458.10	4589.10	.00	5.100	.000	37.00	2.40	9.00	316.00	.00
SOURCE NO.	25	HIGHLANDVIEWHOSP,B003,4,COAL,3901HIGHLANDDR/HARREENULLE/CUY(75)									
P 25		458.10	4589.10	.00	5.100	.000	37.00	2.40	9.00	316.00	.00
SOURCE NO.	26	HYDRAULICPRESS,P006,6900HEMLOCK/CLE./CUY.(73)									
P 26		447.80	4580.90	.00	12.010	.000	10.00	2.00	7.00	60.00	.00

SOURCE ID	INPUT X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 27	INDEPENDENTTOWELSUPPLYCO.,B001,3,COAL,BOILERS#1,3,1802CENTRAL/CLE/CUY									
P 27	443.50	4594.00	.00	29.300	.000	24.40	2.30	1.50	204.00	.00
SOURCE NO. 28	HUPPINC,B001-3,COAL,BOILERS#1-3,1135IVANHOERD/CLE/CUY.									
P 28	452.30	4600.10	.00	6.300	.000	53.30	3.00	9.00	260.00	.00
SOURCE NO. 29	JONES&LAUGHLINSTEEL,P010BLASTFURNACESTOVES9,10,11I3341JENNINGS/CLE/CUY									
P 29	442.40	4590.10	.00	4.540	.000	61.00	3.00	10.70	316.00	.00
SOURCE NO. 30	JONES&LAUGHLINSTEEL,P011,BLASTFURNACESTOVES1A,2A,3AI3341JENNINGS/CLE/CUY									
P 30	442.40	4590.10	.00	39.67[illegible]	.000	76.20	3.40	6.70	315.00	.00
SOURCE NO. 31	JONES&LAUGHLINSTEEL,B002,OIL,BOILER[illegible]3341JENNINGSRD/CLE/CUY									
P 31	443.60	4591.50	.00	4.670	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 32	JONES&LAUGHLINSTEEL,B003,OIL,BOILER#2[illegible]3341JENNINGSRD/CLE/CUY									
P 32	443.60	4591.50	.00	4.660	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 33	JONES&LAUGHLINSTEEL,B004,OIL,BOILER#26,3341JENNINGSRD/CLE/CUY									
P 33	443.60	4591.50	.00	4.660	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 34	JONES&LAUGHLINSTEEL,B005,OIL,BOILER#27,3341JENNINGSRD/CLE/CUY									
P 34	443.60	4591.50	.00	4.660	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 35	JONES&LAUGHLINSTEEL,B006,OIL,BOILER#28,3341JENNINGSRD/CLE/CUY									
P 35	443.60	4591.50	.00	4.660	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 36	JONES&LAUGHLINSTEEL,B007,OIL,BOILER#29,3341JENNINGSRD/CLE/CUY									
P 36	443.60	4591.50	.00	4.660	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 37	JONES&LAUGHLINSTEEL,B008,OIL,BOILER#30,3341JENNINGSRD/CLE/CUY									
P 37	443.60	4591.50	.00	10.140	.000	46.00	2.00	4.60	204.00	.00
SOURCE NO. 38	JONES&LAUGHLINSTEEL,B009,OIL,BOILER#31,3341JENNINGSRD/CLE/CUY									
P 38	443.60	4591.50	.00	10.140	.000	46.00	2.00	4.20	204.00	.00
SOURCE NO. 39	JONES&LAUGHLINSTEEL,B010,OIL,BOILER#32,3341JENNINGSRD/CLE/CUY									
P 39	443.60	4591.50	.00	12.350	.000	26.00	2.00	5.20	204.00	.00
SOURCE NO. 40	JONES&LAUGHLINSTEEL,B011,OIL,BOILER#33,3341JENNINGSRD/CLE/CUY									
P 40	443.60	4591.50	.00	11.650	.000	26.00	2.00	5.20	204.00	.00
SOURCE NO. 41	JONES&LAUGHLINSTEEL,B012,OIL,BOILER#34,3341JENNINGSRD/CLE/CUY									
P 41	443.60	4591.50	.00	21.670	.000	38.00	3.00	4.50	260.00	.00
SOURCE NO. 42	JONES&LAUGHLINSTEEL,B01360IL									
P 42	442.90	4590.80	.00	34.030	.000	46.00	3.00	18.00	127.00	.00
SOURCE NO. 43	LAKE,OODINCIN,N001,2,12920BEREARD/CLE/CUY(73)									
P 43	434.60	4590.50	.00	1.600	.000	30.00	2.00	8.00	427.00	.00
SOURCE NO. 44	LAKEWOODINCIN,N003-5,12920BFREARD/CLE/CUY(73)									
P 44	434.60	4590.50	.00	.800	.000	30.00	2.00	11.00	510.00	.00
SOURCE NO. 45	MEDICALCENTER,B003,4,COAL,2250CIRCLEDR./CLE/CUY									
P 45	449.20	4595.00	.00	9.800	.000	58.50	4.10	1.00	342.00	.00
SOURCE NO. 46	MEDICALCENTER,B005,6,7,8,COAL,2250CIRCLEDR./CLE/CUY									
P 46	449.20	4595.00	.00	9.800	.000	59.10	3.30	1.40	371.00	.00
SOURCE NO. 47	NATIONALLEADINC.,P001-2,28503ROS&/CLE/CUY(73)									
P 47	443.30	4592.20	.00	4.540	.000	30.00	1.00	26.00	66.00	120.00
SOURCE NO. 48	REPUBLICSTEEL-CLEV BDIST,P012,12INBAR.FCE,3100E45TH/CLE/CUY									
P 48	444.60	4591.40	.00	24.820	.000	45.70	2.10	8.50	399.00	.00
SOURCE NO. 49	REPUBLIC/STEEL-CLEV.DIST.,P013,10INBAR.FCE,3100E45TH/CLE/CUY.									
P 49	444.70	4591.50	.00	15.030	.000	45.70	2.10	6.30	538.00	.00
SOURCE NO. 50	REPUBLIC/STEEL-CLEV.DIST.,P014,#11PIT,3100E45TH/CLE/CUY.									
P 50	444.50	4591.20	.00	10.140	.000	53.30	1.90	4.80	493.00	.00
SOURCE NO. 51	REPUBLIC/STEEL-CLEV.DIST.,P015,#12PIT,3100E45TH/CLE/CUY.									
P 51	444.50	4591.20	.00	10.140	.000	53.30	1.90	4.80	493.00	.00
SOURCE NO. 52	REPUBLIC/STEEL-CLEV.DIST.,P016,#13PIT,3100E45TH/CLE/CUY.									
P 52	444.50	4591.20	.00	10.140	.000	53.30	1.90	4.80	493.00	.00

CDMI VERSION 76130. RUN 11

SOURCE INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
SOURCE NO. 53	REPUBLIC/STEEL-CLEV.DIST.,P017,#14PIT,3100E45TH/CLE/CUY,									
P 53	444.50	4591.10	.00	10.140	.000	53.30	1.90	4.80	493.00	.00
SOURCE NO. 54	REPUBLIC/STEEL-CLEV.DIST.,P018,#15PIT,3100E45TH/CLE/CUY,									
P 54	444.50	4591.10	.00	10.140	.000	53.30	1.90	4.80	493.00	.00
SOURCE NO. 55	REPUBLIC/STEEL-CLEV.DIST.,P028,2.,OHPRECIP111,3100E45TH/CLE/CUY,(PROJ.PHASEOUT)									
P 55	444.30	4591.40	.00	.000	.000	32.00	3.40	.80	260.00	.00
SOURCE NO. 56	REPUBLIC/STEEL-CLEV.DIST.,P030,31,OHPRECIP112,3100E45TH/CLE/CUY,(PROJ.PHASEOUT)									
P 56	444.30	4591.50	.00	.000	.000	32.00	3.50	.90	260.00	.00
SOURCE NO. 57	REPUBLIC/STEEL-CLEV.DIST.,P021,#02PIT,3100E45TH/									
P 57	444.50	4591.20	.00	2.680	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO. 58	REPUBLIC/STEEL-CLEV.DIST.,P022,#03PIT,3100E45TH/									
P 58	444.50	4591.20	.00	2.680	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO. 59	REPUBLIC/STEEL-CLEV.DIST.,P023,#04PIT,3100E45TH/									
P 59	444.50	4591.20	.00	2.680	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO. 60	REPUBLIC/STEEL-CLEV.DIST.,P024,#05PIT,3100E45TH/									
P 60	444.50	4591.20	.00	2.680	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO. 61	REPUBLIC/STEEL-CLEV.DIST.,P025,#06PIT,3100E45TH/									
P 61	444.50	4591.10	.00	2.680	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO. 62	REPUBLIC/STEEL-CLEV.DIST.,P026,#07PIT,3100E45TH/									
P 62	444.50	4591.10	.00	2.680	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO. 63	REPUBLIC/STEEL-CLEV.DIST.,P039,98INSLABFCE#1,3100E45TH/,(RETIRED3/74)									
P 63	443.20	4588.90	.00	.000	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO. 64	REPUBLIC/STEEL-CLEV.DIST.,P040,98INSLABFCE#2,3100E45TH/,(RETIRED3/74)									
P 64	443.20	4588.90	.00	.000	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO. 65	REPUBLIC/STEEL-CLEV.DIST.,P041,98INSLABFCE#3,3100E45TH/,(RETIRED3/74)									
P 65	443.20	4588.90	.00	.000	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO. 66	REPUBLICSTEEL-CLEV.DIST,P042,98INSLABFCE#4,3100E45TH/CLE/CUY,(RETIRED3/74)									
P 66	443.20	4588.90	.00	.000	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO. 67	REPUBLICSTEEL-CLEV.DIST,P043,98INSLABFCE#5,3100E45TH/CLE/CUY,(RETIRED3/74)									
P 67	443.20	4588.90	.00	.000	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO. 68	REPUBLICSTEEL-CLEV.DIST,P046,84INSLABFCE#1,3100E45TH/CLE/CUY,(RETIRED3/74)									
P 68	443.60	4589.00	.00	.000	.000	49.10	4.90	10.20	1038.00	.00
SOURCE NO. 69	REPUBLICSTEEL-CLEV.DIST,P047,84INSLABFCE#2,3100E45TH/CLE/CUY,(RETIRED3/74)									
P 69	443.60	4589.00	.00	.000	.000	49.10	4.90	10.20	1038.00	.00
SOURCE NO. 70	REPUBLICSTEEL-CLEV.DIST,SINTERPLANT,3100E45TH/CLE/CUY,(RETIRED5/74)									
P 70	444.00	4591.20	.00	.000	.000	38.10	1.80	2.20	204.00	.00
SOURCE NO. 71	REPUBLICSTEEL-CLEV.DISTRICT,P027,#8PIT,E45THST/CLE/CUY									
P 71	444.50	4591.10	.00	2.680	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO. 72	REPUBLICSTEEL-CLEV.DISTRICT,P04[illegible],84INSLABFCE#3,E45TH/CLE/CUY									
P 72	443.60	4589.00	.00	78.190	.000	49.00	4.90	10.20	1038.00	.00
SOURCE NO. 73	REPUBLICSTEEL-CLEV.DISTRICT,PNEW,84INANNENLS,E45TH/CLE/CUY									
P 73	443.30	4588.90	.00	10.370	.000	32.90	4.60	10.10	51.70	.00
SOURCE NO. 74	REPUBLICSTEEL-CLEV.DISTRICT,PNEW,84INANNENLN,E45TH/CLE/CUY									
P 74	443.30	4589.00	.00	10.370	.000	32.90	4.60	10.10	51.70	.00
SOURCE NO. 75	REPUBLICSTEEL-CLEV.DISTRICT,P004,COKEBATTERY#7,E45TH/CLE/CUY									
P 75	443.60	4590.00	.00	25.750	.000	76.20	3.10	5.70	366.00	.00
SOURCE NO. 76	REPUBLICSTEEL-CLEV.DISTRICT,P005,COKEBATTERY#6,E45TH/CLE/CUY									
P 76	443.80	4590.00	.00	26.920	.000	76.20	3.10	5.70	366.00	.00
SOURCE NO. 77	REPUBLICSTEEL-CLEV.DISTRICT,P034,COKEBATTERY#5,E45TH/CLE/CUY									
P 77	444.80	4590.60	.00	5.590	.000	76.20	3.20	4.20	366.00	.00
SOURCE NO. 78	REPUBLICSTEEL-CLEV.DISTRICT,P035,COKEBATTERY#4,E45TH/CLE/CUY									
P 78	444.70	4590.80	.00	31.930	.000	65.50	2.70	4.90	366.00	.00

SOURCE INPUT

ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
SOURCE NO. 79	REPUBLICSTEEL-CLEV.DISTRICT,P036,COKEBATTERY#3,E45TH/CLE/CUY									
P 79	444.60	4590.80	.00	31.930	.000	68.60	2.80	5.30	366.00	.00
SOURCE NO. 80	REPUBLICSTEEL-CLEV.DISTRICT,P037,COKEBATTERY#2,E45TH/CLE/CUY									
P 80	444.50	4590.80	.00	31.930	.000	76.20	2.80	4.90	366.00	.00
SOURCE NO. 81	REPUBLICSTEEL-CLEV.DISTRICT,B004,BOILERD,E45TH/CLE/CUY(6:23:76 LETTER									
P 81	443.80	4591.40	.00	155.090	.000	68.60	3.30	7.00	260.00	.00
SOURCE NO. 82	REPUBLICSTEEL-CLEV.DISTRICT,B007,BOILER3,E45TH/CLE/CUY(6:23:76 LETTER)									
P 82	443.60	4590.10	.00	43.060	.000	37.50	3.40	7.80	299.00	.00
SOURCE NO. 83	REPUBLICSTEEL-CLEV.DISTRICT,B009//..BOILER 234,E45TH/CLE/CUY(6:23:76 LETTER)									
P 83	444.30	4591.50	.00	17.710	.000	68.60	2.70	6.40	249.00	.00
SOURCE NO. 84	REPUBLICSTEEL-CLEV.DISTRICT,B001,BOILER A,2615W.3RDST/CLE/CUY(6:23:76 LETTER)									
P 84	443.80	4591.30	.00	41.020	.000	44.50	3.20	9.80	260.00	.00
SOURCE NO. 85	REPUBLICSTEEL-CLEV.DISTRICT,B002,BOILER B,2615W.3RDST/CLE/CUY(6:23:76 LETTER)									
P 85	443.80	4591.40	.00	39.150	.000	44.50	3.20	19.70	260.00	.00
SOURCE NO. 86	REPUBLICSTEEL-CLEV.DISTRICT,B003,BOILER C,2615W.3RDST/CLE/CUY(6:23:76 LETTER)									
P 86	443.80	4591.40	.00	40.080	.000	44.50	3.20	10.00	260.00	.00
SOURCE NO. 87	REPUBLICSTEEL-CLEV.DISTRICT,B005,6,BOILER1,2,3430CAMPBELLRD/CLE/CUY									
P 87	443.70	4591.20	.00	16.980	.000	45.70	4.60	5.00	299.00	.00
SOURCE NO. 88	STANDARDOILCO.OHIO-ASPHALTPLANT,B002,3,4..BOILERS#10,9,7,2635BROADWAY/CLE/CUY									
P 88	443.90	4592.30	.00	11.110	.000	76.20	4.70	.60	154.00	.00
SOURCE NO. 89	U.S.STEEL-CUY/LORWORKS,P001,D-6&LASTFCE,2650BROADWAY/CLE/CUY,(73)									
P 89	443.60	4592.70	.00	3.030	.000	69.80	3.40	5.60	204.00	.00
SOURCE NO. 90	U.S.STEEL-CUY/LORWORKS,P002,ABLASTFCE,2650BROADWAY/CLE/CUY,(73)									
P 90	443.70	4592.80	.00	3.030	.000	64.60	3.00	11.40	204.00	.00
SOURCE NO. 91	U.S.STEEL-CUY/LORWORKS,B001,BOILER#1,2650BROADWAY/CLE/CUY									
P 91	443.50	4592.80	.00	3.380	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 92	U.S.STEEL-CUY/LORWORKS,B002,BOILER#2,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY,									
P 92	443.50	4592.80	.00	3.380	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 93	U.S.STEEL-CUY/LORWORKS,B003,BOILER#3,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY,									
P 93	443.50	4592.80	.00	3.380	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 94	U.S.STEEL-CUY/LORWORKS,B004,BOILER#4,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY,									
P 94	443.50	4592.80	.00	3.380	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 95	U.S.STEEL-CUY/LORWORKS,B005,BOILER#5,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY,									
P 95	443.50	4592.80	.00	3.380	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 96	U.S.STEEL-CUY/LORWORKS,B006,BOILER#6,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY,									
P 96	443.50	4592.80	.00	3.260	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 97	U.S.STEEL-CUYAHOGAWORKS,B001,BOILER#1,4300E49TH/CLE/CUY,MAY 5 (114) REPLY									
P 97	444.40	4588.00	.00	32.360	.000	30.50	1.50	4.80	249.00	.00
SOURCE NO. 98	U.S.STEEL-CUYAHOGAWORKS,B002,BOILER#2,4300E49TH/CLE/CUY,MAY>> 5 (114) REPLY									
P 98	444.40	4588.00	.00	32.360	.000	30.50	1.50	4.80	249.00	.00
SOURCE NO. 99	U.S.STEEL-CUYAHOGAWORKS,B003,BOILER#3,4300E49TH/CLE/CUY,MAY>> 5 (114) REPLY									
P 99	444.40	4588.00	.00	12.040	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 100	U.S.STEEL-CUYAHOGAWORKS,B004,BOILER#5,4300E49TH/CLE/CUY,MAY>> 5 (114) REPLY									
P 100	444.40	4588.00	.00	12.040	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 101	U.S.STEEL-CUYAHOGAWORKS,B005,BOILER#6,4300E4.TH/CLE/CUY,(73)									
P 101	444.40	4588.00	.00	12.040	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 102	U.S.STEEL-CUYAHOGAWORKS,B006,BOILER#7,4300E49TH/CLE/CUY,(73)									
P 102	444.40	4588.00	.00	11.990	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 103	U.S.STEEL-CUYAHOGAWORKS,B007,BOILER#4,4300E49TH/CLE/CUY,(73)									
P 103	444.40	4588.00	.00	11.900	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 104	CEI-EASTLAKEPLANT,TURBINE,EASTLAKE/LAKE									
P 104	463.00	4613.20	.00	6.200	.000	12.00	4.00	22.00	535.00	.00

SOURCE INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
SOURCE NO. 105	CEI-EASTLAKEPLANT,B001,UNIT#1,EASTLAKE/LAKE									
P 105	463.00	4613.00	.00	688.000	.000	91.40	4.90	7.00	124.00	.00
SOURCE NO. 106	CEI-EASTLAKEPLANT,B002,UNIT#2,EASTLAKE/LAKE									
P 106	463.00	4613.00	.00	697.000	.000	91.40	4.90	7.00	124.00	.00
SOURCE NO. 107	CEI-EASTLAKEPLANT,B003,UNIT3,EASTLAKE/LAKE									
P 107	463.00	4613.00	.00	712.000	.000	91.40	4.90	7.00	124.00	.00
SOURCE NO. 108	CEI-EASTLAKEPLANT,B004,UNIT#4,EASTLAKE/LAKE									
P 108	463.00	4612.90	.00	1284.000	.000	91.40	5.50	9.90	107.00	.00
SOURCE NO. 109	CEI-EASTLAKEPLANT,B005,UNIT#5,EASTLAKE/LAKE									
P 109	463.00	4612.90	.00	3455.000	.000	182.80	7.30	15.10	127.00	.00
SOURCE NO. 110	DIAMONDSHAMROCKCHEMICAL,B001,BOILER#33,SECONDST/FAIRPORTHARBOR/LAKE									
P 110	478.30	4622.80	.00	.000	.000	53.60	4.30	8.40	153.90	.00
SOURCE NO. 111	DIAMONDSHAMROCKCHEMICAL,B002,BOILER#34,2NDST./FAIRPORT/LAKE									
P 111	478.30	4622.80	.00	.000	.000	53.60	4.30	9.00	174.40	.00
SOURCE NO. 112	DIAMONDSHAMROCKCHEMICAL,B003,BOILER#35,2NDST./FAIRPORT/LAKE									
P 112	478.30	4622.80	.00	.000	.000	49.00	2.40	16.90	155.00	.00
SOURCE NO. 113	DIAMONDSHAMROCKCHEMICAL,B004,BOILER#36,2NDST./FAIRPORT/LAKE									
P 113	478.30	4622.80	.00	.000	.000	54.00	4.60	4.60	222.80	.00
SOURCE NO. 114	DIAMONDSHAMROCKCHEMICAL,B005,BOILER#1,2NDST./FAIRPORT/LAKE									
P 114	478.30	4622.80	.00	.000	.000	68.60	3.80	8.90	289.40	.00
SOURCE NO. 115	DIAMONDSHAMROCKCHEMICAL,B006,BOILER#2,2NDST./FAIRPORT/LAKE									
P 115	478.30	4622.80	.00	.000	.000	68.60	3.80	8.90	289.40	.00
SOURCE NO. 116	DIAMOND SHAMROCK CHEMICAL,B008,BOILER#4,2NDST./FAIRPORT/LAKE									
P 116	478.30	4622.80	.00	.000	.000	15.50	1.50	10.60	315.60	.00
SOURCE NO. 117	DIAMOND SHAMROCK CHEMICAL,B009,BOILER#5,2NDST./FAIRPORT/LAKE									
P 117	478.30	4622.80	.00	.000	.000	18.30	2.00	10.30	315.60	.00
SOURCE NO. 118	DIAMOND SHAMROCK CHEMICAL,B012,BOILER#6,2NDST./FAIRPORT/LAKE									
P 118	478.30	4622.80	.00	.000	.000	15.70	1.20	29.30	343.00	.00
SOURCE NO. 119	DIAMONDSHAMROCKCHEMICAL,B013,BOILER#7,2NDST./FAIRPORT/LAKE									
P 119	478.30	4622.80	.00	.000	.000	15.70	1.20	29.30	343.00	.00
SOURCE NO. 120	DIAMONDSHAMROCKCHEMICAL,P028,#4LIMEKILN,2NDST./FAIRPORT/LAKE									
P 120	478.30	4622.80	.00	.000	.000	60.90	2.40	1.10	316.00	.00
SOURCE NO. 121	DIAMONDSHAMROCKCHEMICAL,B007,#3LIMEKILN,2NDST./FAIRPORT/LAKE									
P 121	478.30	4622.80	.00	.000	.000	68.60	3.80	8.90	289.40	.00
SOURCE NO. 122	IRCFIBERSCO.-UNIONIRONWORKS,B001,750BACONRD/PAINES./LAKE,(73)									
P 122	482.90	4624.50	.00	8.500	.000	54.30	3.40	9.80	288.00	.00
SOURCE NO. 123	IRCFIBERSCO.-UNIONIRONWORKS,B002,750BACONRD/PAINES/LAKE,(73)									
P 123	482.90	4624.50	.00	8.500	.000	54.30	3.40	9.80	288.00	.00
SOURCE NO. 124	LUBRIZOLCORP.,B001, /WICKLIFFE/LAKE									
P 124	460.00	4606.50	.00	.900	.000	15.00	1.00	7.00	288.00	.00
SOURCE NO. 125	LUBRIZOLCORP.,B001,#20IL,.5%,155FREEDOMRD/PAINESVILLE/LAKE									
P 125	477.40	4618.40	.00	.400	.000	17.00	1.00	7.90	205.00	.00
SOURCE NO. 126	OHIORUBBER,B001,BENHURAVE/WILLAGHBY/LAKE									
P 126	465.40	4610.20	.00	45.400	.000	24.10	1.90	7.60	288.00	.00
SOURCE NO. 127	PAINEVILLEMUNICPALLITE,B001-4,325RICHMONDST/PAINESVILLE/LAKE									
P 127	478.90	4619.20	.00	.000	.000	75.30	3.10	4.00	188.00	.00
SOURCE NO. 128	PAINEVILLEMUNICIPALLITE,B005,325RICHMONDST/PAINESVILLE/LAKE									
P 128	478.90	4619.20	.00	192.900	.000	48.80	2.40	1.20	175.00	.00
SOURCE NO. 129	REPUBLICSTEEL-LIMEPLANT,P001,P002,GRANDRIVER/LAKE									
P 129	476.40	4621.90	.00	48.900	.000	41.20	3.20	15.60	288.00	.00
SOURCE NO. 130	ADDRESSOGRAPH,B003,RAHRITTRD./CLE/CO									
P 130	457.60	4604.60	.00	8.370	.000	25.90	1.40	4.60	232.00	.00

SOURCE INPUT

ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
SOURCE NO. 131	UNIROYALCHEMICALPLANT,B001,B002,B003,720NURSERYRD/FAIRPORT/LAKE									
P 131	480.40	4623.60	.00	79.000	.000	52.70	2.40	1.60	204.00	.00
SOURCE NO. 132	GMCFISHERBODYPLANT,B004,LOWELL ST/ELYRIA/LORAIN									
P 132	405.30	4579.80	.00	19.350	.000	22.00	1.40	9.90	177.00	.00
SOURCE NO. 133	ADDRESSOGRAPH,B001,12008ABBITTRD/CLE/CUY									
P 133	457.60	4604.60	.00	6.370	.000	25.90	1.40	4.60	232.00	.00
SOURCE NO. 134	ADDRESSOGRAPH,B002,12008ABBITTRD/CLE/CUY									
P 134	457.60	4604.60	.00	8.740	.000	45.70	1.80	4.60	232.00	.00
SOURCE NO. 135	ALCOA,B001-3,2210HARVARDAVE/CLE/CUY									
P 135	444.00	4588.30	.00	26.920	.000	61.00	2.70	9.00	204.00	.00
SOURCE NO. 136	ALCOA,B004-5,2210HARVARDAVE/CLE/CUY									
P 136	444.00	4588.30	.00	26.920	.000	45.70	2.30	9.00	204.00	.00
SOURCE NO. 137	ALLIEDCHEMICAL,P001-2,5000WARNERRD/CLE/CUY									
P 137	446.90	4585.30	.00	51.070	.000	21.30	.50	3.60	80.00	.00
SOURCE NO. 138	CHASEBAG,B001-2,218CLEVELANDROLCLE/CUY									
P 138	467.70	4586.80	.00	17.400	.000	51.20	1.80	4.60	316.00	.00
SOURCE NO. 139	GMC-TRANSMISSIONPLANT,B001,STUMPRD/PARMA/CUY									
P 139	435.40	4585.10	.00	36.310	.000	21.90	1.60	11.70	199.00	.00
SOURCE NO. 140	GMC-TRANSMISSION PLANT,B004,STUMP RD/PARMA/CUY									
P 140	435.40	4585.10	.00	33.800	.000	21.90	1.60	8.30	371.00	.00
SOURCE NO. 141	CEI-AVONLAKEPLANT,UNITS#1,2,33510LAKERD./AVONLAKE/LORAIN									
P 141	412.20	4595.20	.00	112.000	.000	84.50	5.50	3.00	111.00	.00
SOURCE NO. 142	CEI-AVONLAKEPLANT,UNITS3,4,33510LAKERD./AVONLAKE/LORAIN									
P 142	412.20	4595.20	.00	112.000	.000	84.50	5.50	3.00	111.00	.00
SOURCE NO. 143	CEI-AVONLAKEPLANT,UNITS5,6,33510LAKERD./AVONLAKE/LORAIN									
P 143	412.20	4595.20	.00	112.000	.000	84.50	5.50	3.00	111.00	.00
SOURCE NO. 144	CEI-AVONLAKEPLANT,UNITS#7,8,33510LAKERD./AVONLAKE/LORAIN									
P 144	412.20	4595.20	.00	112.000	.000	84.50	5.50	3.00	111.00	.00
SOURCE NO. 145	CEI-AVONLAKEPLANT,UNITS#9,33510LAKERD./AVONLAKE/LORAIN									
P 145	412.20	4595.20	.00	448.000	.000	90.00	4.00	10.00	121.00	.00
SOURCE NO. 146	CEI-AVONLAKEPLANT,UNITS#10,33510LAKERD./AVONLAKE/LORAIN									
P 146	412.20	4595.20	.00	447.000	.000	90.00	4.00	10.00	121.00	.00
SOURCE NO. 147	CEI-AVONLAKEPLANT,UNITS#11,33510LAKERD./AVONLAKE/LORAIN									
P 147	412.10	4595.20	.00	1189.000	.000	120.00	5.20	10.00	107.00	.00
SOURCE NO. 148	CEI-AVONLAKEPLANT,UNITS#12,33510LAKERD./AVONLAKE/LORAIN									
P 148	412.00	4595.20	.00	3226.000	.000	183.00	7.30	15.00	127.00	.00
SOURCE NO. 149	GMC-FISHERBODYPLANT,B001,LOWELLST/ELYIA/LORAIN									
P 149	405.30	4579.80	.00	11.950	.000	22.00	1.20	10.00	287.00	.00
SOURCE NO. 150	GMC-FISHERBODYPLANT,B002,LOWELLST/ELYRIA/LORAIN									
P 150	405.30	4579.80	.00	2.530	.000	22.00	1.20	10.00	287.00	.00
SOURCE NO. 151	GM-CFISHERBODYPLANT,B003,LOWELLST/ELYRIA/LORAIN									
P 151	405.30	4579.80	.00	31.740	.000	22.00	1.30	9.60	166.00	.00
SOURCE NO. 152	FMC-LORAINASSEMBLYPLANT,B001,RT602TOBAUNHARTRT/					/LORAIN				
P 152	394.00	4586.50	.00	40.770	.000	24.40	1.70	7.30	192.00	.00
SOURCE NO. 153	FMC-LORAIN ASSEM PLANT			,B002,RT602TOBAUNHARTRD/			/LORAIN			
P 153	394.00	4586.50	.00	40.770	.000	24.40	1.70	7.30	192.00	.00
SOURCE NO. 154	FMC-LORAIN ASSEMBLY PLANT			,B003,RT602TOBAUNHARTRD/			/LORAIN			
P 154	394.00	4586.50	.00	40.770	.000	24.40	1.70	7.30	192.00	.00
SOURCE NO. 155	OHIO/EDISON-EDGEWATER/PLANT,UNITS1-2,2000BERLIN/					LORAIN				
P 155	400.60	4591.30	.00	379.100	.000	77.50	5.30	5.10	164.00	.00
SOURCE NO. 156	OHIO/EDISON-EDGEWATER/PLANT,UNITS3,2000BERLIN/					LORAIN				
P 156	400.60	4591.30	.00	443.000	.000	85.40	3.20	14.00	127.00	.00

CDMI VERSION 76130, RUN 11

SOURCE INPUT

SOURCE ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
SOURCE NO. 157	USSTEEL-LORAINWORKS,B001,1807E28TH/LORAIN/LORAIN									
P 157	404.20	4589.00	.00	7.300	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 158	USSTEEL-LORAINWORKS,B002,1807E28TH/LORAIN/LORAIN									
P 158	404.20	4589.00	.00	7.300	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 159	USSTEEL-LORAINWORKS,B003,1807E28TH/LORAIN/LORAIN									
P 159	404.20	4589.00	.00	7.300	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 160	USSTEEL-LORAINWORKS,B004,1807E28TH/LORAIN/LORAIN									
P 160	404.20	4589.00	.00	7.300	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 161	USSTEEL-LORAINWORKS,B005,1807E28TH/LORAIN/LORAIN									
P 161	404.20	4589.00	.00	7.300	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 162	USSTEEL-LORAINWORKS,B006,1807E28TH/LORAIN/LORAIN									
P 162	404.20	4589.00	.00	7.300	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 163	USSTEEL-LORAINWORKS,B007,1807E28TH/LORAIN/LORAIN									
P 163	404.30	4589.00	.00	14.400	.000	29.90	2.40	11.80	232.00	.00
SOURCE NO. 164	USSTEEL-LORAINWORKS,B008,1807E28TH/LORAIN/LORAIN									
P 164	404.30	4589.00	.00	14.400	.000	29.90	2.40	11.80	232.00	.00
SOURCE NO. 165	USSTEEL-LORAINWORKS,B009,1807E28TH/LORAIN/LORAIN									
P 165	404.30	4589.00	.00	14.400	.000	29.90	2.40	11.80	232.00	.00
SOURCE NO. 166	USSTEEL-LORAINWORKS,B013,1807E28TH/LORAIN/LORAIN									
P 166	404.10	4589.10	.00	11.400	.000	35.70	3.70	19.10	232.00	.00
SOURCE NO. 167	USSTEEL-LORAINWORKS,P021,COKEBATTERYD,LORAIN/LORAIN									
P 167	404.80	4589.30	.00	8.200	.000	76.20	3.70	2.00	232.00	.00
SOURCE NO. 168	USSTEEL-LORAINWORKS,P020,COKEBATTERYJ,K,L,LORAIN/LORAIN									
P 168	404.90	4589.40	.00	24.000	.000	76.20	3.70	1.90	232.00	.00
SOURCE NO. 169	USSTEEL-LORAINWORKS,P019,COKEBATTERYG,H,I,LORAIN/LORAIN									
P 169	404.80	4589.30	.00	21.800	.000	76.20	3.70	2.00	232.00	.00
SOURCE NO. 170	USSTEEL-LORAINWORKS,P006-14,ROLLINGMILL-SOAKINGPITFEB#1-9,LORAIN/LORAIN									
P 170	405.30	4589.00	.00	12.400	.000	38.10	1.80	.80	260.00	.00
SOURCE NO. 171	USSTEEL-LORAINWORKSP015-16,ROLLINGMILL-SOAKINGPITFEB#10-11,LORAINLORAIN									
P 171	405.30	4589.10	.00	2.800	.000	38.10	1.80	.80	260.00	.00
SOURCE NO. 172	USSTEEL-LORAINWORKS,P017-18,ROLLINGMILL-SOAKINGPITFEB#12-15,LORAINLORAIN									
P 172	405.30	4589.10	.00	5.500	.000	51.50	2.40	.90	260.00	.00
SOURCE NO. 173	USSTEEL-LORAINWORKS,P034,#2REHEATFER ,LORAIN/LORAIN									
P 173	406.70	4589.20	.00	.500	.000	38.10	1.20	10.60	310.00	.00
SOURCE NO. 174	USSTEEL-LORAINWORKSP035,#3ROTARYREH ,LORAIN/LORAIN									
P 174	406.70	4589.40	.00	6.200	.000	14.00	1.10	4.90	232.00	.00
SOURCE NO. 175	USSTEEL-LORAINWORKS,P036,#1REHEATREH ,LORAIN/LORAIN									
P 175	406.70	4589.30	.00	.800	.000	38.10	1.50	2.00	316.00	.00
SOURCE NO. 176	USSTEEL-LORAINWORKS,P037,#3REHEATFER ,LORAINLORAIN									
P 176	406.70	4589.30	.00	1.800	.000	38.10	1.50	4.30	316.00	.00
SOURCE NO. 177	USSTEEL-LORAINWORKS,P038,#3 ,LORAIN/LORAIN									
P 177	406.80	4589.20	.00	1.600	.000	38.10	1.50	4.00	316.00	.00
SOURCE NO. 178	USSTEEL-LORAINWORKS,P040,#4REHEATFCE,LORAIN/LORAIN									
P 178	406.10	4589.40	.00	4.400	.000	30.50	1.60	5.30	316.00	.00
SOURCE NO. 179	USSTEEL-LORAINWORKS,P041,#1KETTLE ,LORAIN/LORAIN									
P 179	406.20	4589.20	.00	2.500	.000	30.50	1.20	2.80	316.00	.00
SOURCE NO. 180	USSTEEL-LORAINWORKS,P042,#2KETTLE ,LORAIN/LORAIN									
P 180	406.20	4589.20	.00	3.300	.000	30.50	1.20	1.40	316.00	.00
SOURCE NO. 181	USSTEEL-LORAINWORKS,P043,#3KETTLE ,LORAIN/LORAIN									
P 181	406.20	4589.20	.00	4.900	.000	30.50	1.20	4.90	316.00	.00
SOURCE NO. 182	GMC-TRANSMISSION PLANT,B002,STUMP RD,PARMA/CUYCO.									
P 182	435.40	4585.10	.00	38.810	.000	21.90	1.60	11.70	199.00	.00

CDMI VERSION 76130. RUN 11

SOURCE ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
SOURCE NO. 183	GMC-TRANSMISSION PLANT,B003,STUMP RD,PARMA/CUYCO.									
P 183	435.40	4585.10	.00	26.290	.000	21.90	1.60	8.30	371.00	.00
SOURCE NO. 184	LUBRIZOL,B002,155FREEDOMRD/PAINESVILLE/LAKE									
P 184	477.40	4618.40	.00	.400	.000	17.00	1.00	7.90	205.00	.00
SOURCE NO. 185	LUBRIZOL,B003,155FREEDOMRD/PAINESVILLE/LAKE									
P 185	477.40	4618.40	.00	.400	.000	17.00	1.00	7.90	205.00	.00
SOURCE NO. 186	US STEEL-LORAIN WORKS,B010,1807 E 28TH/LOR/LOR CO. (MAY 76,114)									
P 186	404.90	4589.10	.00	8.000	.000	24.40	3.70	2.20	232.00	.00
SOURCE NO. 187	US STEEL-LORAIN WORKS,B011,1807 E 28TH/LORAIN/LOR CO (MAY 76 114)/									
P 187	404.90	4589.10	.00	8.000	.000	24.40	3.70	2.20	232.00	.00
SOURCE NO. 188	US STEEL-LORAIN WORKS,B012,1807 E 28TH/LORAIN/LOR CO (MAY 76 114)/									
P 188	404.90	4589.10	.00	8.000	.000	24.40	3.70	2.20	232.00	.00
SOURCE NO. 189	USSTEEL-LORAINWORKS,P033, ,LORAIN/LORAIN									
P 189	406.70	4589.30	.00	10.200	.000	14.00	1.10	.70	232.00	.00
SOURCE NO. 190	USSTEEL-LORAINWORKS,P039, ,LORAIN/LORAIN									
P 190	406.70	4589.30	.00	1.200	.000	14.00	1.10	.70	232.00	.00
SOURCE NO. 191	LUBRIZOL CORP.,P012,CHEM.,REAT,PROCESS,155FREEDOM RD./PA/LAKE									
P 191	477.40	4618.40	.00	35.600	.000	8.70	.80	15.00	815.90	.00

PADD,P CSFP-CL-BAR2.

CDMI VERSION 76130. RUN 11

SOURCE	INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A	1	420.00	4590.00	2500.00	3.770	.720	20.00	.00	.00	.00	.00
A	2	420.00	4592.50	2500.00	4.260	.770	20.00	.00	.00	.00	.00
A	3	422.50	4590.00	2500.00	7.300	1.370	20.00	.00	.00	.00	.00
A	4	420.00	4585.00	5000.00	23.050	4.090	20.00	.00	.00	.00	.00
A	5	420.00	4580.00	5000.00	21.630	3.890	20.00	.00	.00	.00	.00
A	6	442.50	4592.50	2500.00	16.650	3.500	20.00	.00	.00	.00	.00
A	7	425.00	4590.00	2500.00	6.770	1.400	20.00	.00	.00	.00	.00
A	8	425.00	4587.50	2500.00	11.620	2.050	20.00	.00	.00	.00	.00
A	9	425.00	4585.00	2500.00	10.850	1.950	20.00	.00	.00	.00	.00
A	10	427.50	4592.50	2500.00	2.120	.490	20.00	.00	.00	.00	.00
A	11	427.50	4590.00	2500.00	13.620	2.620	20.00	.00	.00	.00	.00
A	12	427.50	4587.50	2500.00	12.530	2.290	20.00	.00	.00	.00	.00
A	13	427.50	4585.00	2500.00	8.590	4.350	20.00	.00	.00	.00	.00
A	14	425.00	4580.00	5000.00	14.790	14.040	20.00	.00	.00	.00	.00
A	15	425.00	4575.00	5000.00	24.240	4.430	20.00	.00	.00	.00	.00
A	16	425.00	4570.00	5000.00	1.870	.530	20.00	.00	.00	.00	.00
A	17	430.00	4592.50	2500.00	9.020	1.700	20.00	.00	.00	.00	.00
A	18	430.00	4590.00	2500.00	22.870	4.260	20.00	.00	.00	.00	.00
A	19	430.00	4587.50	2500.00	16.710	3.080	20.00	.00	.00	.00	.00
A	20	430.00	4585.00	2500.00	16.480	3.060	20.00	.00	.00	.00	.00
A	21	430.00	4582.50	2500.00	9.030	4.430	20.00	.00	.00	.00	.00
A	22	430.00	4580.00	2500.00	8.670	1.470	20.00	.00	.00	.00	.00
A	23	432.50	4592.50	2500.00	14.200	2.740	20.00	.00	.00	.00	.00
A	24	432.50	4590.00	2500.00	33.100	6.180	20.00	.00	.00	.00	.00
A	25	432.50	4587.50	2500.00	22.440	4.170	20.00	.00	.00	.00	.00
A	26	432.50	4585.00	2500.00	14.770	2.830	20.00	.00	.00	.00	.00
A	27	432.50	4582.50	2500.00	14.450	2.570	20.00	.00	.00	.00	.00
A	28	432.50	4580.00	2500.00	8.460	1.450	20.00	.00	.00	.00	.00
A	29	430.00	4575.00	5000.00	7.980	1.480	20.00	.00	.00	.00	.00
A	30	430.00	4570.00	5000.00	6.040	1.090	20.00	.00	.00	.00	.00
A	31	435.00	4592.50	2500.00	17.810	3.740	20.00	.00	.00	.00	.00
A	32	435.00	4590.00	2500.00	23.510	5.120	20.00	.00	.00	.00	.00
A	33	435.00	4587.50	2500.00	20.160	4.340	20.00	.00	.00	.00	.00
A	34	435.00	4585.00	2500.00	5.970	1.140	20.00	.00	.00	.00	.00
A	35	435.00	4582.50	2500.00	16.840	3.060	20.00	.00	.00	.00	.00
A	36	435.00	4580.00	2500.00	20.980	3.780	20.00	.00	.00	.00	.00
A	37	437.50	4592.50	2500.00	8.040	1.610	20.00	.00	.00	.00	.00
A	38	437.50	4590.00	2500.00	29.670	6.080	20.00	.00	.00	.00	.00
A	39	437.50	4587.50	2500.00	10.240	2.590	20.00	.00	.00	.00	.00
A	40	437.50	4585.00	2500.00	17.970	3.950	20.00	.00	.00	.00	.00
A	41	437.50	4582.50	2500.00	20.400	4.280	20.00	.00	.00	.00	.00
A	42	437.50	4580.00	2500.00	10.410	1.850	20.00	.00	.00	.00	.00
A	43	435.00	4575.00	5000.00	23.740	4.160	20.00	.00	.00	.00	.00
A	44	435.00	4570.00	5000.00	4.650	.870	20.00	.00	.00	.00	.00
A	45	440.00	4595.00	2500.00	2.630	1.330	20.00	.00	.00	.00	.00
A	46	440.00	4592.50	2500.00	1.840	.480	20.00	.00	.00	.00	.00
A	47	440.00	4590.00	2500.00	21.630	4.660	20.00	.00	.00	.00	.00
A	48	440.00	4587.50	2500.00	24.050	5.090	20.00	.00	.00	.00	.00
A	49	440.00	4585.00	2500.00	22.660	4.850	20.00	.00	.00	.00	.00
A	50	440.00	4582.50	2500.00	22.610	4.040	20.00	.00	.00	.00	.00
A	51	440.00	4580.00	2500.00	15.500	2.700	20.00	.00	.00	.00	.00

CDMI VERSION 76130. RUN 11

SOURCE	INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	52	442.50	4595.00	2500.00	5.650	4.020	20.00	.00	.00	.00	.00
A	53	442.50	4590.00	1250.00	2.400	2.660	20.00	.00	.00	.00	.00
A	54	442.50	4587.50	1250.00	1.510	1.270	20.00	.00	.00	.00	.00
A	55	442.50	4585.00	2500.00	5.460	1.080	20.00	.00	.00	.00	.00
A	56	442.50	4582.50	2500.00	3.830	.670	20.00	.00	.00	.00	.00
A	57	442.50	4580.00	2500.00	7.430	1.310	20.00	.00	.00	.00	.00
A	58	440.00	4575.00	5000.00	13.590	2.380	20.00	.00	.00	.00	.00
A	59	440.00	4570.00	5000.00	9.130	1.650	20.00	.00	.00	.00	.00
A	60	445.00	4597.50	2500.00	2.350	.550	20.00	.00	.00	.00	.00
A	61	445.00	4595.00	2500.00	46.770	9.680	20.00	.00	.00	.00	.00
A	62	445.00	4592.50	2500.00	33.540	7.160	20.00	.00	.00	.00	.00
A	63	445.00	4590.00	2500.00	22.260	4.880	20.00	.00	.00	.00	.00
A	64	445.00	4587.50	2500.00	18.330	4.240	20.00	.00	.00	.00	.00
A	65	445.00	4585.00	2500.00	10.700	2.030	20.00	.00	.00	.00	.00
A	66	445.00	4582.50	2500.00	.900	.290	20.00	.00	.00	.00	.00
A	67	445.00	4580.50	2500.00	2.950	.560	20.00	.00	.00	.00	.00
A	68	447.50	4600.00	2500.00	.300	.100	20.00	.00	.00	.00	.00
A	69	447.50	4597.50	2500.00	36.200	7.860	20.00	.00	.00	.00	.00
A	70	447.50	4595.00	2500.00	49.130	9.780	20.00	.00	.00	.00	.00
A	71	447.50	4592.50	2500.00	26.300	5.840	20.00	.00	.00	.00	.00
A	72	447.50	4587.50	5000.00	12.550	2.670	20.00	.00	.00	.00	.00
A	73	447.50	4585.00	2500.00	73.470	13.360	20.00	.00	.00	.00	.00
A	74	447.50	4582.50	2500.00	6.570	1.180	20.00	.00	.00	.00	.00
A	75	447.50	4580.00	2500.00	1.010	.270	20.00	.00	.00	.00	.00
A	76	445.00	4575.00	5000.00	6.590	1.230	20.00	.00	.00	.00	.00
A	77	445.00	4570.00	5000.00	8.290	1.470	20.00	.00	.00	.00	.00
A	78	450.00	4602.50	2500.00	1.810	.410	20.00	.00	.00	.00	.00
A	79	450.00	4600.00	2500.00	17.710	3.470	20.00	.00	.00	.00	.00
A	80	450.00	4597.50	2500.00	38.670	8.190	20.00	.00	.00	.00	.00
A	81	450.00	4595.00	2500.00	18.150	4.500	20.00	.00	.00	.00	.00
A	82	450.00	4592.50	2500.00	21.230	4.000	20.00	.00	.00	.00	.00
A	83	450.00	4585.00	2500.00	65.500	13.780	20.00	.00	.00	.00	.00
A	84	450.00	4582.50	2500.00	23.190	4.090	20.00	.00	.00	.00	.00
A	85	450.00	4580.00	2500.00	4.290	.770	20.00	.00	.00	.00	.00
A	86	452.50	4605.00	2500.00	1.630	.330	20.00	.00	.00	.00	.00
A	87	452.50	4602.50	2500.00	14.630	2.890	20.00	.00	.00	.00	.00
A	88	452.50	4600.00	2500.00	20.230	4.050	20.00	.00	.00	.00	.00
A	89	452.50	4597.50	2500.00	26.380	5.020	20.00	.00	.00	.00	.00
A	90	452.50	4595.00	2500.00	16.330	3.320	20.00	.00	.00	.00	.00
A	91	452.50	4592.50	2500.00	23.510	4.450	20.00	.00	.00	.00	.00
A	92	452.50	4590.00	2500.00	2.440	.460	20.00	.00	.00	.00	.00
A	93	452.50	4587.50	2500.00	.300	.100	20.00	.00	.00	.00	.00
A	94	452.50	4585.00	2500.00	43.770	9.570	20.00	.00	.00	.00	.00
A	95	452.50	4582.50	2500.00	17.410	3.160	20.00	.00	.00	.00	.00
A	96	452.50	4580.00	2500.00	1.980	.930	20.00	.00	.00	.00	.00
A	97	452.50	4577.50	2500.00	2.260	.450	20.00	.00	.00	.00	.00
A	98	455.00	4605.00	2500.00	25.690	4.790	20.00	.00	.00	.00	.00
A	99	455.00	4602.50	2500.00	12.090	2.230	20.00	.00	.00	.00	.00
A	100	455.00	4600.00	2500.00	8.160	1.550	20.00	.00	.00	.00	.00
A	101	455.00	4597.50	2500.00	11.240	2.010	20.00	.00	.00	.00	.00
A	102	455.00	4595.00	2500.00	16.980	3.420	20.00	.00	.00	.00	.00

CDMI VERSION 76130, RUN 11

SOURCE INPUT

	ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A	103	455.00	4592.50	2500.00	18.260	3.190	20.00	.00	.00	.00	.00
A	104	455.00	4590.00	2500.00	3.730	.670	20.00	.00	.00	.00	.00
A	105	455.00	4587.50	2500.00	9.730	5.050	20.00	.00	.00	.00	.00
A	106	455.00	4585.00	2500.00	23.110	4.760	20.00	.00	.00	.00	.00
A	107	455.00	4582.50	2500.00	8.230	1.470	20.00	.00	.00	.00	.00
A	108	455.00	4580.00	2500.00	12.570	2.320	20.00	.00	.00	.00	.00
A	109	455.00	4577.50	2500.00	1.510	.390	20.00	.00	.00	.00	.00
A	110	457.50	4607.50	2500.00	4.690	.910	20.00	.00	.00	.00	.00
A	111	457.50	4605.00	2500.00	10.680	1.970	20.00	.00	.00	.00	.00
A	112	457.50	4602.50	2500.00	9.000	1.750	20.00	.00	.00	.00	.00
A	113	457.50	4600.00	2500.00	7.100	4.150	20.00	.00	.00	.00	.00
A	114	457.50	4597.50	2500.00	8.030	1.420	20.00	.00	.00	.00	.00
A	115	457.50	4595.00	2500.00	11.260	2.020	20.00	.00	.00	.00	.00
A	116	457.50	4592.50	2500.00	3.910	.720	20.00	.00	.00	.00	.00
A	117	457.50	4590.00	2500.00	1.600	.320	20.00	.00	.00	.00	.00
A	118	457.50	4587.50	2500.00	1.260	.310	20.00	.00	.00	.00	.00
A	119	457.50	4585.00	2500.00	6.570	1.300	20.00	.00	.00	.00	.00
A	120	457.50	4582.50	2500.00	3.190	.720	20.00	.00	.00	.00	.00
A	121	457.50	4580.00	2500.00	4.260	.810	20.00	.00	.00	.00	.00
A	122	457.50	4577.50	2500.00	1.510	.320	20.00	.00	.00	.00	.00
A	123	460.00	4595.00	5000.00	27.790	5.130	20.00	.00	.00	.00	.00
A	124	460.00	4590.00	5000.00	10.360	1.910	20.00	.00	.00	.00	.00
A	125	460.00	4585.00	5000.00	6.500	1.200	20.00	.00	.00	.00	.00
A	126	460.00	4580.00	5000.00	10.030	1.910	20.00	.00	.00	.00	.00
A	127	460.00	4575.00	5000.00	2.680	.600	20.00	.00	.00	.00	.00
A	128	465.00	4595.00	5000.00	2.890	.620	20.00	.00	.00	.00	.00
A	129	465.00	4590.00	5000.00	1.770	.620	20.00	.00	.00	.00	.00
A	130	465.00	4585.00	5000.00	5.170	1.050	20.00	.00	.00	.00	.00
A	131	465.00	4580.00	5000.00	2.570	1.200	20.00	.00	.00	.00	.00
A	132	465.00	4575.00	5000.00	1.780	.750	20.00	.00	.00	.00	.00
A	133	385.00	4585.00	5000.00	.090	.040	20.00	.00	.00	.00	.00
A	134	385.00	4580.00	5000.00	4.490	1.440	20.00	.00	.00	.00	.00
A	135	385.00	4565.00	5000.00	2.360	.940	20.00	.00	.00	.00	.00
A	136	385.00	4560.00	5000.00	.150	.040	20.00	.00	.00	.00	.00
A	137	390.00	4585.00	5000.00	1.450	.630	20.00	.00	.00	.00	.00
A	138	390.00	4580.00	5000.00	1.750	.820	20.00	.00	.00	.00	.00
A	139	390.00	4575.00	5000.00	13.550	4.790	20.00	.00	.00	.00	.00
A	140	390.00	4570.00	5000.00	1.010	.420	20.00	.00	.00	.00	.00
A	141	390.00	4565.00	5000.00	.920	.360	20.00	.00	.00	.00	.00
A	142	390.00	4560.00	5000.00	.150	.040	20.00	.00	.00	.00	.00
A	143	390.00	4555.00	5000.00	.740	.300	20.00	.00	.00	.00	.00
A	144	390.00	4550.00	5000.00	.830	.350	20.00	.00	.00	.00	.00
A	145	395.00	4585.00	5000.00	4.610	2.260	20.00	.00	.00	.00	.00
A	146	395.00	4580.00	5000.00	3.980	1.890	20.00	.00	.00	.00	.00
A	147	395.00	4575.00	5000.00	2.860	1.350	20.00	.00	.00	.00	.00
A	148	395.00	4570.00	5000.00	3.340	1.780	20.00	.00	.00	.00	.00
A	149	395.00	4565.00	5000.00	.660	.320	20.00	.00	.00	.00	.00
A	150	395.00	4560.00	5000.00	.140	.040	20.00	.00	.00	.00	.00
A	151	395.00	4555.00	5000.00	2.510	1.160	20.00	.00	.00	.00	.00
A	152	395.00	4545.00	5000.00	.480	.290	20.00	.00	.00	.00	.00
A	153	400.00	4590.00	5000.00	7.840	4.060	20.00	.00	.00	.00	.00

CDMI VERSION 76130. RUN 11

SOURCE	INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A	154	400.00	4585.00	5000.00	17.350	8.360	20.00	.00	.00	.00	.00
A	155	400.00	4580.00	5000.00	1.600	.830	20.00	.00	.00	.00	.00
A	156	400.00	4575.00	5000.00	.760	.500	20.00	.00	.00	.00	.00
A	157	400.00	4570.00	5000.00	.140	.040	20.00	.00	.00	.00	.00
A	158	400.00	4565.00	5000.00	.120	.040	20.00	.00	.00	.00	.00
A	159	400.00	4560.00	5000.00	.150	.040	20.00	.00	.00	.00	.00
A	160	405.00	4590.00	5000.00	3.630	2.050	20.00	.00	.00	.00	.00
A	161	405.00	4585.00	5000.00	6.280	3.250	20.00	.00	.00	.00	.00
A	162	405.00	4580.00	5000.00	8.430	6.140	20.00	.00	.00	.00	.00
A	163	405.00	4575.00	5000.00	6.940	5.030	20.00	.00	.00	.00	.00
A	164	405.00	4570.00	5000.00	.770	.540	20.00	.00	.00	.00	.00
A	165	405.00	4565.00	5000.00	.090	.040	20.00	.00	.00	.00	.00
A	166	405.00	4560.00	5000.00	.840	.600	20.00	.00	.00	.00	.00
A	167	405.00	4555.00	5000.00	.440	.300	20.00	.00	.00	.00	.00
A	168	410.00	4595.00	5000.00	.790	.390	20.00	.00	.00	.00	.00
A	169	410.00	4590.00	5000.00	3.100	1.520	20.00	.00	.00	.00	.00
A	170	410.00	4585.00	5000.00	1.190	.870	20.00	.00	.00	.00	.00
A	171	410.00	4580.00	5000.00	2.930	1.600	20.00	.00	.00	.00	.00
A	172	410.00	4575.00	5000.00	.790	.430	20.00	.00	.00	.00	.00
A	173	410.00	4570.00	5000.00	.540	.340	20.00	.00	.00	.00	.00
A	174	410.00	4565.00	5000.00	.640	.420	20.00	.00	.00	.00	.00
A	175	410.00	4560.00	5000.00	.650	.370	20.00	.00	.00	.00	.00
A	176	415.00	4595.00	5000.00	.710	.300	20.00	.00	.00	.00	.00
A	177	415.00	4590.00	5000.00	2.410	1.160	20.00	.00	.00	.00	.00
A	178	415.00	4585.00	5000.00	1.090	.530	20.00	.00	.00	.00	.00
A	179	415.00	4580.00	5000.00	3.700	1.780	20.00	.00	.00	.00	.00
A	180	415.00	4575.00	5000.00	1.150	.560	20.00	.00	.00	.00	.00
A	181	415.00	4570.00	5000.00	.940	.670	20.00	.00	.00	.00	.00
A	182	420.00	4575.00	5000.00	.760	.350	20.00	.00	.00	.00	.00
A	183	420.00	4570.00	5000.00	.880	.540	20.00	.00	.00	.00	.00
A	184	460.00	4605.00	2500.00	23.320	3.530	20.00	.00	.00	.00	.00
A	185	460.00	4607.50	2500.00	7.060	3.460	20.00	.00	.00	.00	.00
A	186	460.00	4610.00	2500.00	6.530	1.770	20.00	.00	.00	.00	.00
A	187	462.50	4612.50	2500.00	2.630	.720	10.00	.00	.00	.00	.00
A	188	462.50	4610.00	2500.00	3.000	1.680	15.00	.00	.00	.00	.00
A	189	462.50	4607.50	2500.00	2.200	1.780	15.00	.00	.00	.00	.00
A	190	462.50	4605.00	2500.00	.760	.710	15.00	.00	.00	.00	.00
A	191	460.00	4600.00	5000.00	4.210	1.540	15.00	.00	.00	.00	.00
A	192	465.00	4615.00	2500.00	3.540	.990	15.00	.00	.00	.00	.00
A	193	467.50	4617.50	2500.00	3.250	.900	15.00	.00	.00	.00	.00
A	194	467.50	4615.00	2500.00	4.800	1.500	15.00	.00	.00	.00	.00
A	195	465.00	4610.00	5000.00	12.500	3.460	15.00	.00	.00	.00	.00
A	196	465.00	4605.00	5000.00	4.800	2.040	15.00	.00	.00	.00	.00
A	197	465.00	4600.00	5000.00	3.150	1.410	15.00	.00	.00	.00	.00
A	198	470.00	4620.00	2500.00	2.050	.000	15.00	.00	.00	.00	.00
A	199	472.50	4620.00	2500.00	2.290	1.250	15.00	.00	.00	.00	.00
A	200	470.00	4615.00	5000.00	9.560	2.520	15.00	.00	.00	.00	.00
A	201	470.00	4610.00	5000.00	5.150	2.690	15.00	.00	.00	.00	.00
A	202	470.00	4605.00	5000.00	3.930	1.400	15.00	.00	.00	.00	.00
A	203	470.00	4600.00	5000.00	3.870	1.390	15.00	.00	.00	.00	.00
A	204	475.00	4622.50	2500.00	.190	.010	15.00	.00	.00	.00	.00

SOURCE INPUT

	ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	205	475.00	4620.00	2500.00	6.280	1.220	15.00	.00	.00	.00	.00
A	206	477.50	4622.50	2500.00	1.500	.030	15.00	.00	.00	.00	.00
A	207	477.50	4620.00	2500.00	7.160	1.170	15.00	.00	.00	.00	.00
A	208	475.00	4615.00	5000.00	14.590	3.810	15.00	.00	.00	.00	.00
A	209	475.00	4610.00	5000.00	5.350	2.380	15.00	.00	.00	.00	.00
A	210	480.00	4620.00	5000.00	5.770	1.680	15.00	.00	.00	.00	.00
A	211	480.00	4615.00	5000.00	5.270	1.710	15.00	.00	.00	.00	.00
A	212	480.00	4610.00	5000.00	7.170	1.400	15.00	.00	.00	.00	.00
A	213	485.00	4625.00	5000.00	5.860	2.710	15.00	.00	.00	.00	.00
A	214	485.00	4620.00	5000.00	4.180	1.650	15.00	.00	.00	.00	.00
A	215	485.00	4615.00	5000.00	2.250	1.610	15.00	.00	.00	.00	.00
A	216	485.00	4610.00	5000.00	1.570	.000	15.00	.00	.00	.00	.00
A	217	490.00	4625.00	5000.00	6.470	1.860	15.00	.00	.00	.00	.00
A	218	490.00	4620.00	5000.00	4.600	1.510	15.00	.00	.00	.00	.00
A	219	490.00	4615.00	5000.00	1.730	.000	15.00	.00	.00	.00	.00
A	220	495.00	4630.00	5000.00	4.020	1.410	15.00	.00	.00	.00	.00
A	221	495.00	4625.00	5000.00	6.390	2.730	10.00	.00	.00	.00	.00
A	222	495.00	4620.00	5000.00	5.720	2.360	10.00	.00	.00	.00	.00
A	223	495.00	4615.00	5000.00	1.570	.000	10.00	.00	.00	.00	.00
A	224	442.50	4591.50	1250.00	11.370	.000	20.00	.00	.00	.00	.00
A	225	442.50	4588.75	1250.00	32.750	.000	19.00	.00	.00	.00	.00
A	226	443.75	4591.25	1250.00	16.170	.000	34.00	.00	.00	.00	.00
A	227	443.75	4590.00	1250.00	12.130	.000	18.00	.00	.00	.00	.00
A	228	443.75	4588.75	1250.00	3.210	.000	20.00	.00	.00	.00	.00
A	229	443.75	4587.50	1250.00	1.550	.000	20.00	.00	.00	.00	.00

229 AREA SOURCE(S). 191 POINT SOURCE(S).

@ADD.P RECEPS.

CDMI VERSION 76130. RUN 11
(MICROGRAMS PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

RECEPTOR ID		COORDINATE X	Y	AREA P1	P2	POINT P1	P2	TOTAL P1	P2	CALIBRATED P1	P2	OBS. MEAN P1	P2
CUYCL13H01	1	443.80	4592.40	7.07	.00	85.65	.00	92.72	.00	81.92	.00	77	0
CUYCL24H01	2	449.10	4591.50	.60	.13	48.85	.00	49.44	.13	46.08	.13	0	0
CUYCL09H01	3	441.40	4588.70	4.57	.97	39.23	.00	43.80	.97	49.20	.97	51	0
CUYCL01H01	4	447.90	4594.70	5.00	1.11	60.11	.00	65.10	1.11	62.69	1.11	57	0
CUYCL05H01	5	446.40	4589.30	3.48	.81	71.65	.00	75.13	.81	67.07	.81	42	0
CUYCL03H01	6	452.10	4600.10	3.37	.66	48.37	.00	51.74	.66	52.66	.66	39	0
CUYCL11H01	7	437.20	4592.00	4.47	.97	29.71	.00	34.18	.97	43.21	.97	49	0
CUYCL10H01	8	439.60	4588.10	1.94	.49	36.32	.00	38.27	.49	42.81	.49	34	0
CUYCL08H01	9	445.10	4591.30	4.23	.93	79.68	.00	83.91	.93	73.28	.93	82	0
CUYCL12H01	10	445.60	4596.80	8.89	1.88	63.85	.00	72.73	1.88	71.82	1.88	69	0
CUYCL33H01	11	443.50	4593.60	3.16	.67	110.34	.00	113.50	.67	90.10	.67	100	0
CUYCL07H01	12	432.00	4589.00	3.18	.59	22.94	.00	26.12	.59	36.81	.59	34	0
CUYCL26H01	13	444.80	4588.20	1.18	.00	128.87	.00	130.05	.00	97.92	.00	84	0
CUYCL06H01	14	452.90	4588.60	.06	.02	29.74	.00	29.80	.02	35.47	.02	0	0
CUYCL27H01	15	441.20	4592.20	4.11	.89	38.15	.00	42.26	.89	47.74	.89	62	0
CUYCL17H01	16	446.60	4596.60	9.34	1.86	52.76	.00	62.09	1.86	65.84	1.86	51	0
CUYCL21H01	17	439.70	4586.60	3.41	.75	34.13	.00	37.54	.75	44.06	.75	42	0
CUYCL29H01	18	442.60	4594.80	3.16	.67	54.80	.00	57.96	.67	56.23	.67	74	0
LAELA02G02	19	463.50	4610.80	.68	.38	34.12	.00	34.80	.38	39.23	.38	43	0
LAPAV02G02	20	479.80	4618.60	.82	.21	40.41	.00	41.23	.21	43.33	.21	73	0
LAPAV03G02	21	483.70	4621.80	.32	.09	26.11	.00	26.44	.09	33.73	.09	31	0
LAMVA04G03	22	496.20	4624.10	.38	.16	11.56	.00	11.94	.16	24.95	.16	39	0
LAWIC01G02	23	460.50	4605.90	4.43	.67	36.93	.00	41.36	.67	47.56	.67	39	0
LAWIL01G01	24	460.20	4608.70	1.34	.66	40.15	.00	41.49	.66	44.08	.66	42	0
LAPAVDSDRR	25	478.70	4621.60	1.61	.26	65.14	.00	66.75	.26	59.80	.26	42	0
LAPAVDS-TS	26	477.60	4621.80	1.61	.26	43.65	.00	45.26	.26	46.69	.26	29	0
LAPAVDSWES	27	477.70	4622.80	.34	.01	40.00	.00	40.34	.01	42.23	.01	43	0
LAPAVDSVPS	29	479.70	4622.00	1.61	.26	51.80	.00	53.41	.26	51.66	.26	37	0
CLE-CBD	30	445.00	4594.00	4.77	1.01	91.83	.00	96.59	1.01	81.63	1.01	0	0
CLE-CBD	31	446.00	4594.00	6.37	1.36	87.48	.00	93.85	1.36	81.80	1.36	0	0
CLE-CBD	32	447.00	4594.00	6.37	1.36	76.71	.00	83.08	1.36	75.23	1.36	0	0
CLE-CBD	34	446.00	4593.00	6.37	1.36	88.16	.00	94.53	1.36	82.22	1.36	0	0
CLE-CBD	35	447.00	4593.00	6.37	1.36	76.63	.00	83.00	1.36	75.18	1.36	0	0
CLE-CBD	36	445.00	4592.00	6.38	.36	85.44	.00	91.83	.36	80.58	.36	0	0
CLE-CBD	37	446.00	4592.00	4.23	.93	86.08	.00	90.31	.93	77.18	.93	0	0
CLE-CBD	41	444.00	4589.00	2.44	.00	85.27	.00	87.71	.00	73.54	.00	0	0
CLE-CBD	42	444.00	4590.00	6.03	.00	70.98	.00	77.01	.00	71.15	.00	0	0
CLE-CBD	43	444.00	4591.00	9.87	.00	74.58	.00	84.45	.00	80.10	.00	0	0
CLE-CBD	44	445.00	4590.00	4.93	.44	82.89	.00	87.81	.44	76.46	.44	0	0
CLE-CBD	45	445.00	4591.00	6.96	.48	77.96	.00	84.92	.48	77.03	.48	0	0
CLE-CBD	47	445.00	4589.00	2.96	.40	105.32	.00	108.28	.40	86.69	.40	0	0
CLE-CBD	48	446.00	4588.00	3.48	.81	65.40	.00	68.88	.81	63.25	.81	0	0
CLE-CBD	49	443.00	4588.00	1.15	.97	56.46	.00	57.61	.97	53.69	.97	0	0
CLE-CBD	50	443.00	4589.00	25.77	.00	66.40	.00	92.17	.00	103.08	.00	0	0
CLE-CBD	51	445.00	4593.00	4.77	1.01	92.51	.00	97.28	1.01	82.05	1.01	0	0

CDMI VERSION 76130. RUN 11
(MICROGRAMS PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

RECEPTOR		COORDINATE		AREA		POINT		TOTAL		CALIBRATED		OBS. MEAN	
	ID	X	Y	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2
CLE-CBD	53	445.50	4595.50	8.89	1.88	80.04	.00	88.93	1.88	81.70	1.88	0	0
CLE-CBD	54	445.50	4595.00	7.63	1.62	80.07	.00	87.69	1.62	79.50	1.62	0	0
CLE-CBD	55	445.50	4594.50	6.37	1.36	83.52	.00	89.89	1.36	79.39	1.36	0	0
CLE-CBD	56	445.50	4594.00	6.37	1.36	83.38	.00	89.75	1.36	79.30	1.36	0	0
CLE-CBD	57	445.50	4593.50	6.37	1.36	92.63	.00	99.00	1.36	84.94	1.36	0	0
CLE-CBD	58	445.50	4593.00	6.37	1.36	94.06	.00	100.43	1.36	85.82	1.36	0	0
CLE-CBD	59	445.00	4594.50	4.77	1.01	90.41	.00	95.18	1.01	80.77	1.01	0	0
CLE-CBD	60	445.00	4593.50	4.77	1.01	92.05	.00	96.82	1.01	81.77	1.01	0	0
CLE-CBD	61	444.50	4589.90	2.44	.00	99.04	.00	101.48	.00	81.94	.00	0	0
CLE-CBD	62	444.50	4589.00	2.44	.00	133.10	.00	135.54	.00	102.72	.00	0	0
CLE-CBD	63	444.50	4588.50	1.18	.00	155.90	.00	157.08	.00	114.40	.00	0	0
CLE-CBD	64	445.00	4589.50	2.96	.40	92.71	.00	95.68	.40	79.00	.40	0	0
CLE-CBD	65	445.00	4588.50	2.33	.40	120.04	.00	122.37	.40	94.55	.40	0	0
CLE-CBD	66	445.50	4589.50	3.48	.81	82.86	.00	86.34	.81	73.90	.81	0	0
CLE-CBD	68	445.50	4589.00	3.48	.81	88.48	.00	91.96	.81	77.33	.81	0	0
CLE-CBD	69	446.00	4595.50	8.89	1.88	79.03	.00	87.91	1.88	81.08	1.88	0	0
CLE-CBD	70	446.00	4594.50	6.37	1.36	83.65	.00	90.02	1.36	79.47	1.36	0	0
CLE-CBD	71	446.00	4593.50	6.37	1.36	89.73	.00	96.10	1.36	83.17	1.36	0	0
CLE-CBD	72	446.50	4595.50	8.89	1.88	76.37	.00	85.25	1.88	79.45	1.88	0	0
CLE-CBD	73	446.50	4595.00	7.63	1.62	78.57	.00	86.20	1.62	78.58	1.62	0	0
CLE-CBD	74	446.50	4594.50	6.37	1.36	79.42	.00	85.79	1.36	76.89	1.36	0	0
CLE-CBD	75	446.50	4594.00	6.37	1.36	80.10	.00	86.47	1.36	77.30	1.36	0	0
CLE-CBD	76	446.50	4593.50	6.37	1.36	82.50	.00	88.87	1.36	78.77	1.36	0	0
CLE-CBD	77	446.50	4593.00	6.37	1.36	80.10	.00	86.47	1.36	77.30	1.36	0	0
CLE-CBD	78	447.00	4595.50	8.89	1.88	63.44	.00	72.32	1.88	71.57	1.88	0	0
CLE-CBD	79	447.00	4594.50	6.37	1.36	75.67	.00	82.04	1.36	74.60	1.36	0	0
CLE-CBD	80	447.00	4593.50	6.37	1.36	76.03	.00	82.40	1.36	74.82	1.36	0	0
GMC-LOR	90	405.30	4580.20	.40	.29	51.61	.00	52.01	.29	49.42	.29	0	0
GMC-LOR	91	404.90	4580.70	.08	.04	29.31	.00	29.39	.04	35.24	.04	0	0
GMC-LOR	92	404.60	4580.50	.08	.04	23.08	.00	23.15	.04	31.44	.04	0	0
GMC-LOR	93	404.40	4580.20	.08	.04	20.37	.00	20.44	.04	29.79	.04	0	0
GMC-LOR	94	404.30	4579.80	.04	.02	19.23	.00	19.27	.02	29.03	.02	0	0
GMC-LOR	95	404.40	4579.40	.04	.02	18.00	.00	18.03	.02	28.27	.02	0	0
GMC-LOR	96	404.60	4579.10	.04	.02	21.75	.00	21.79	.02	30.56	.02	0	0
GMC-LOR	97	404.90	4578.90	.04	.02	24.87	.00	24.90	.02	32.46	.02	0	0
GMC-LOR	99	405.30	4578.80	.33	.24	33.94	.00	34.27	.24	38.52	.24	0	0
GMC-LOR	100	405.70	4578.90	.33	.24	23.69	.00	24.01	.24	32.26	.24	0	0
GMC-LOR	101	406.00	4579.10	.33	.24	24.30	.00	24.63	.24	32.64	.24	0	0
GMC-LOR	105	406.20	4579.40	.33	.24	25.62	.00	25.95	.24	33.44	.24	0	0
AVON LAKE	106	411.40	4593.40	.15	.07	22.27	.00	22.42	.07	31.07	.07	0	0
AVON LAKE	107	412.20	4590.00	.10	.06	32.94	.00	33.04	.06	37.50	.06	0	0
AVON LAKE	108	407.20	4586.80	.30	.15	25.55	.00	25.85	.15	33.34	.15	0	0
AVONLAKE	109	412.20	4580.20	.14	.08	19.00	.00	19.14	.08	29.07	.08	0	0
AVON LAKE	110	412.20	4592.00	.15	.07	36.81	.00	36.96	.07	39.94	.07	0	0
AVON LAKE	111	412.20	4578.00	.04	.02	17.67	.00	17.71	.02	28.08	.02	0	0

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RECEPTOR ID		COORDINATE X	Y	AREA P1	P2	POINT P1	P2	TOTAL P1	P2	CALIBRATED P1	P2	OBS. MEAN P1	P2
AVON LAKE	112	418.00	4566.80	.05	.03	15.64	.00	15.69	.03	26.86	.03	0	0
LOR-WST	113	405.00	4581.00	.24	.17	27.42	.00	27.66	.17	34.38	.17	0	0
LOR-WST	114	405.00	4581.50	.24	.17	37.96	.00	38.20	.17	40.80	.17	0	0
REP. STEEL	115	443.60	4591.30	8.64	.00	78.94	.00	87.58	.00	80.59	.00	0	0
REP. STEEL	116	443.50	4590.80	1.82	2.02	67.13	.00	68.96	2.02	61.39	2.02	0	0
REP. STEEL	117	443.60	4590.30	1.82	2.02	70.02	.00	71.85	2.02	63.16	2.02	0	0
REP. STEEL	118	443.90	4590.00	6.03	.00	70.20	.00	76.23	.00	70.67	.00	0	0
REP. STEEL	119	444.20	4589.70	2.44	.00	98.64	.00	101.08	.00	81.70	.00	0	0
REP. STEEL	122	444.70	4589.60	2.44	.00	109.25	.00	111.69	.00	88.17	.00	0	0
REP. STEEL	123	445.60	4590.00	3.86	.87	79.91	.00	83.77	.87	72.76	.87	0	0
REP. STEEL	124	445.60	4591.70	4.23	.93	82.09	.00	86.32	.93	74.75	.93	0	0
REP. STEEL	125	443.80	4593.10	3.16	.67	88.70	.00	91.86	.67	76.91	.67	0	0
REP. STEEL	126	443.20	4593.00	3.16	.67	68.18	.00	71.35	.67	64.39	.67	0	0
REP. STEEL	128	442.30	4592.10	4.11	.89	50.40	.00	54.51	.89	55.21	.89	0	0
REP. STEEL	129	442.10	4591.40	4.11	.89	43.85	.00	47.96	.89	51.21	.89	0	0
REP. STEEL	130	442.20	4590.80	4.11	.89	43.60	.00	47.71	.89	51.06	.89	0	0
REP. STEEL	131	442.60	4590.20	1.82	2.02	51.39	.00	53.21	2.02	51.79	2.02	0	0
REP STEEL	132	443.20	4589.80	25.77	.00	64.51	.00	90.27	.00	101.93	.00	0	0
REP. STEEL	133	443.80	4589.70	2.44	.00	77.57	.00	80.01	.00	68.84	.00	0	0
REP. STEEL	134	445.00	4590.20	6.96	.48	80.67	.00	87.63	.48	78.69	.48	0	0
REP. STEEL	135	445.00	4592.60	4.77	1.01	90.39	.00	95.16	1.01	80.76	1.01	0	0
REP. STEEL	136	443.60	4592.50	5.90	.33	91.62	.00	97.52	.33	83.51	.33	0	0
REP. STEEL	137	442.30	4592.20	4.11	.89	48.65	.00	52.76	.89	54.14	.89	0	0
REP. STEEL	138	441.10	4591.50	4.11	.89	37.83	.00	41.94	.89	47.54	.89	0	0
REP. STEEL	139	440.40	4590.30	4.11	.89	35.01	.00	39.12	.89	45.82	.89	0	0
REP. STEEL	140	440.10	4589.00	4.57	.97	34.87	.00	39.44	.97	46.54	.97	0	0
REP. STEEL	141	440.40	4587.70	4.57	.97	35.67	.00	40.24	.97	47.03	.97	0	0
REP. STEEL	142	441.10	4586.50	4.31	.92	36.27	.00	40.58	.92	46.94	.92	0	0
REP. STEEL	143	442.30	4585.80	4.31	.92	40.08	.00	44.38	.92	49.25	.92	0	0
REP. STEEL	144	443.60	4585.50	1.04	.21	51.68	.00	52.72	.21	50.58	.21	0	0
CLE-CBD	145	444.00	4594.00	3.16	.67	102.97	.00	106.13	.67	85.61	.67	0	0
REP. STEEL	146	446.10	4586.50	2.03	.39	66.28	.00	68.31	.39	61.24	.39	0	0
REP. STEEL	147	446.10	4591.50	4.23	.93	81.74	.00	85.97	.93	74.53	.93	0	0
REP. STEEL	148	444.70	4592.00	7.07	.00	88.89	.00	95.96	.00	83.90	.00	0	0
REP. STEEL	151	444.20	4591.90	7.07	.00	77.83	.00	84.90	.00	77.15	.00	0	0
ALLIED	152	446.00	4585.00	1.10	.22	47.64	.00	48.74	.22	48.23	.22	0	0
ALLIED	153	446.00	4586.00	2.03	.39	60.33	.00	62.36	.39	57.61	.39	0	0
REP. STEEL	154	443.90	4591.70	7.07	.00	77.77	.00	84.84	.00	77.12	.00	0	0
ALLIED	157	447.00	4584.00	.17	.06	59.24	.00	59.42	.06	53.67	.06	0	0
ALLIED	158	447.00	4586.00	2.03	.39	139.30	.00	141.34	.39	105.78	.39	0	0
CLE-ECBD	159	447.00	4588.00	3.48	.81	67.15	.00	70.63	.81	64.32	.81	0	0
CLE-ECBD	160	447.00	4590.00	3.86	.87	68.75	.00	72.60	.87	65.95	.87	0	0
CLE-ECBD	161	447.00	4596.00	8.89	1.88	60.70	.00	69.59	1.88	69.90	1.88	0	0
CLE-ECBD	162	447.00	4598.00	.45	.10	47.34	.00	47.79	.10	46.90	.10	0	0
CLE-ECBD	164	446.00	4583.00	1.25	.22	39.29	.00	40.54	.22	43.39	.22	0	0

CDMI VERSION 76130, RUN 11
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RECEPTOR ID		COORDINATE X	Y	AREA P1	P2	POINT P1	P2	TOTAL P1	P2	CALIBRATED P1	P2	OBS. MEAN P1	P2
ALLIED	165	448.00	4585.00	7.60	1.38	50.55	.00	58.15	1.38	61.45	1.38	0	0
CEI-E.LAKE	166	460.70	4613.90	.00	.00	23.69	.00	23.69	.00	31.68	.00	0	0
CEI-E.LAKE	167	460.70	4612.00	1.24	.34	24.39	.00	25.63	.34	34.29	.34	0	0
CEI-E.LAKE	168	462.00	4610.60	1.24	.34	35.15	.00	36.39	.34	40.85	.34	0	0
CEI-E.LAKE	169	463.00	4610.40	.68	.38	51.92	.00	52.59	.38	50.09	.38	0	0
CEI-E.LAKE	172	463.00	4616.90	.00	.00	52.61	.00	52.61	.00	49.32	.00	0	0
CEI-E.LAKE	173	460.20	4615.70	.00	.00	26.08	.00	26.08	.00	33.14	.00	0	0
CEI-E.LAKE	174	459.00	4612.90	.00	.00	27.32	.00	27.32	.00	33.89	.00	0	0
CEI-E.LAKE	175	460.20	4610.10	1.24	.34	32.14	.00	33.38	.34	39.02	.34	0	0
CEI-E.LAKE	176	463.00	4608.90	.50	.40	49.08	.00	49.57	.40	48.04	.40	0	0
MED CTR	177	449.00	4594.00	5.00	1.11	51.89	.00	56.89	1.11	57.68	1.11	0	0
MED CTR	178	449.00	4596.00	9.34	1.86	52.74	.00	62.08	1.86	65.83	1.86	0	0
CLE-ECRD	179	449.00	4598.00	6.88	1.49	52.35	.00	59.23	1.49	61.27	1.49	0	0
LAKE SHORE	180	446.40	4601.10	.00	.00	68.27	.00	68.27	.00	58.88	.00	0	0
LAKE SHORE	181	445.30	4600.90	.00	.00	60.86	.00	60.86	.00	54.36	.00	0	0
LAKE SHORE	182	443.80	4599.40	.00	.00	50.66	.00	50.66	.00	48.13	.00	0	0
LAKE SHORE	183	443.80	4597.20	1.07	.76	62.10	.00	63.17	.76	57.00	.76	0	0
LAKE SHORE	184	445.30	4595.70	8.89	1.88	81.37	.00	90.26	1.88	82.51	1.88	0	0
LAKE SHORE	185	446.40	4595.50	8.89	1.88	76.75	.00	85.64	1.88	79.69	1.88	0	0
LAKE SHORE	186	446.40	4600.20	.00	.00	61.48	.00	61.48	.00	54.73	.00	0	0
LAKE SHORE	187	445.10	4599.60	.45	.10	57.29	.00	57.73	.10	52.96	.10	0	0
LAKE SHORE	188	444.50	4598.30	.00	.00	53.12	.00	53.12	.00	49.63	.00	0	0
LAKE SHORE	189	445.10	4597.00	8.89	1.88	58.37	.00	67.25	1.88	68.47	1.88	0	0
P.VILLE	190	450.00	4600.00	4.41	.93	53.42	.00	57.83	.93	57.58	.93	0	0
LAKE SHORE	192	446.40	4596.40	8.89	1.88	72.38	.00	81.27	1.88	77.02	1.88	0	0
EDGEWATER	195	398.60	4591.30	.00	.00	12.55	.00	12.55	.00	24.89	.00	0	0
EDGEWATER	196	399.20	4589.90	.22	.11	12.30	.00	12.52	.11	25.12	.11	0	0
EDGEWATER	197	400.60	4589.30	.82	.40	19.47	.00	20.29	.40	30.56	.40	0	0
P.VILLE	198	484.00	4623.00	.32	.09	27.50	.00	27.82	.09	34.58	.09	0	0
PAINV.MUN.	199	478.40	4619.70	.82	.21	42.08	.00	42.90	.21	44.34	.21	0	0
PAINV.MUN.	200	478.30	4619.20	.62	.21	41.62	.00	42.44	.21	44.06	.21	0	0
PAINV.MUN.	201	478.40	4618.70	.82	.21	42.59	.00	43.41	.21	44.65	.21	0	0
PAINV.MUN.	202	478.90	4618.60	.82	.21	54.04	.00	54.86	.21	51.64	.21	0	0
UNIROYAL	203	480.40	4624.30	.32	.09	38.46	.00	38.78	.09	41.26	.09	0	0
UNIROYAL	204	479.90	4624.10	.34	.01	35.47	.00	35.81	.01	39.46	.01	0	0
UNIROYAL	205	479.70	4623.60	.34	.01	41.92	.00	42.26	.01	43.40	.01	0	0
UNIROYAL	206	479.90	4623.10	.34	.01	40.35	.00	40.69	.01	42.44	.01	0	0
UNIROYAL	207	480.40	4622.90	.32	.09	46.01	.00	46.33	.09	45.87	.09	0	0
OHIO RUBB.	208	465.40	4611.00	.70	.19	41.92	.00	42.62	.19	44.04	.19	0	0
OHIO RUBB.	209	464.80	4610.80	.68	.38	31.58	.00	32.25	.38	37.68	.38	0	0
OHIO RUBB.	210	464.60	4610.20	.68	.38	32.76	.00	33.43	.38	38.40	.38	0	0
OHIO RUBB.	211	464.80	4609.60	.50	.40	34.38	.00	34.88	.40	39.08	.40	0	0
OHIO RUBB.	212	465.40	4609.40	.27	.11	37.57	.00	37.84	.11	40.62	.11	0	0
ALCOA	213	444.00	4589.20	2.44	.00	83.18	.00	85.62	.00	72.27	.00	0	0
ALCOA	214	443.40	4586.90	25.77	.00	72.30	.00	98.06	.00	106.68	.00	0	0

CDMI VERSION 7.130. RUN 11
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CLEVELAND UNREGULATED 1985 PROJECTIONS

RECEPTOR	ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
ALCOA	215	443.20	4588.30	1.15	.97	63.13	.00	64.28	.97	57.76	.97	0	0
ALCOA	216	443.40	4587.70	1.15	.97	59.86	.00	61.01	.97	55.76	.97	0	0
ALCOA	217	444.00	4587.50	1.11	.10	80.47	.00	81.58	.10	68.27	.10	0	0
HI V HOS	242	458.00	4590.00	.27	.06	23.65	.00	23.92	.06	32.13	.06	0	0
HI V HOS	243	457.00	4589.00	1.85	.96	23.40	.00	25.25	.96	34.76	.96	0	0
HI V HOS	244	459.00	4589.00	.24	.06	25.84	.00	26.08	.06	33.42	.06	0	0
HI V HOS	245	458.00	4588.00	.24	.06	22.28	.00	22.52	.06	31.24	.06	0	0
MAR HTS	246	464.00	4585.00	5.81	1.21	23.30	.00	29.11	1.21	41.67	1.21	0	0
AFORD HT	247	459.00	4583.00	.61	.14	21.56	.00	22.17	.14	31.45	.14	0	0
FORD W H	248	456.00	4579.00	.29	.07	23.40	.00	23.69	.07	32.01	.07	0	0
FORD W H	249	457.00	4579.00	.29	.07	22.53	.00	22.81	.07	31.48	.07	0	0
FORD W H	252	456.00	4577.00	.00	.00	22.55	.00	22.55	.00	30.98	.00	0	0
FORD W H	253	457.00	4577.00	.00	.00	18.89	.00	18.89	.00	28.76	.00	0	0
ALLIED	254	448.00	4586.00	13.96	2.54	57.93	.00	71.90	2.54	77.14	2.54	0	0
ALLIED	255	448.00	4584.00	1.25	.22	43.85	.00	45.10	.22	46.17	.22	0	0
HYD PR	256	448.00	4582.00	.19	.05	40.75	.00	40.94	.05	42.43	.05	0	0
HYD PR	257	447.00	4581.00	.56	.11	32.53	.00	33.09	.11	38.06	.11	0	0
HYD PR	258	449.00	4581.00	.19	.05	28.80	.00	28.99	.05	35.14	.05	0	0
HYD PR	259	446.00	4580.00	.44	.08	31.64	.00	32.07	.08	37.30	.08	0	0
HYD PR	260	448.00	4580.00	.25	.05	29.00	.00	29.25	.05	35.37	.05	0	0
HYD PR	261	449.00	4580.00	.25	.05	26.06	.00	26.32	.05	33.57	.05	0	0
S HY PR	262	449.00	4576.00	.31	.06	19.89	.00	20.20	.06	29.91	.06	0	0
PARMA H	263	438.00	4581.00	1.98	.35	23.49	.00	25.46	.35	35.04	.35	0	0
FORD LOR	265	394.00	4587.00	.07	.03	85.67	.00	85.74	.03	69.61	.03	0	0
FORD LOR	266	395.00	4587.00	.14	.07	32.21	.00	32.35	.07	37.13	.07	0	0
FORD LOR	267	393.00	4586.00	.07	.03	12.00	.00	12.07	.03	24.67	.03	0	0
FORD LOR	268	394.00	4586.00	.07	.03	55.21	.00	55.28	.03	51.03	.03	0	0
FORD LOR	269	395.00	4586.00	.14	.07	23.08	.00	23.22	.07	31.56	.07	0	0
FORD LOR	270	392.00	4586.00	.07	.03	8.62	.00	8.69	.03	22.61	.03	0	0
FORD LOR	271	394.00	4585.00	.08	.03	27.64	.00	27.72	.03	34.22	.03	0	0
AM-EAST	272	397.00	4584.00	.19	.09	14.53	.00	14.72	.09	26.43	.09	0	0
C LOR	273	388.00	4582.00	.00	.00	6.11	.00	6.11	.00	20.96	.00	0	0
C LOR	274	393.00	4582.00	.08	.04	11.04	.00	11.12	.04	24.11	.04	0	0
C LOR	275	397.00	4577.00	.14	.06	9.16	.00	9.30	.06	23.06	.06	0	0
FISH LOR	276	404.00	4581.00	.08	.04	20.31	.00	20.39	.04	29.75	.04	0	0
FISH LOR	277	404.00	4580.00	.06	.03	18.29	.00	18.35	.03	28.49	.03	0	0
SE LOR	278	405.00	4576.00	.18	.13	15.94	.00	16.13	.13	27.28	.13	0	0
SE LOR	279	412.00	4576.00	.04	.02	16.06	.00	16.09	.02	27.09	.02	0	0
E LOR	280	413.00	4588.00	.06	.04	29.15	.00	29.21	.04	35.11	.04	0	0
E LOR	281	419.00	4587.00	.05	.03	15.31	.00	15.36	.03	26.66	.03	0	0
E LOR	282	416.00	4582.00	.18	.08	13.67	.00	13.84	.08	25.88	.08	0	0
E LOR	283	411.00	4594.00	.15	.07	18.00	.00	18.15	.07	28.47	.07	0	0
AVON LK	284	412.00	4594.00	.15	.07	28.86	.00	29.00	.07	35.09	.07	0	0
AVON LK	285	413.00	4594.00	.15	.07	19.42	.00	19.57	.07	29.34	.07	0	0
AVON LK	286	413.00	4595.00	.09	.05	14.20	.00	14.29	.05	26.05	.05	0	0

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RECEPTOR	ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
AVON LK	286	414.00	4595.00	.09	.05	19.69	.00	19.79	.05	29.41	.05	0	0
WST CC	288	420.00	4593.00	.46	.10	18.48	.00	18.94	.10	29.32	.10	0	0
SHEFIELD	289	408.00	4593.00	.17	.10	25.21	.00	25.38	.10	32.91	.10	0	0
US STEEL	290	403.00	4592.00	.37	.19	20.16	.00	20.53	.19	30.18	.19	0	0
US STEEL	291	401.00	4591.00	.37	.19	10.88	.00	11.25	.19	24.52	.19	0	0
US STEEL	292	402.00	4591.00	.37	.19	13.15	.00	13.53	.19	25.91	.19	0	0
US STEEL	293	403.00	4591.00	.37	.19	17.50	.00	17.87	.19	28.56	.19	0	0
US STEEL	294	405.00	4591.00	.27	.15	35.25	.00	35.52	.15	39.21	.15	0	0
US STEEL	295	407.00	4591.00	.17	.10	43.94	.00	44.11	.10	44.34	.10	0	0
US STEEL	296	406.00	4590.00	.24	.13	44.98	.00	45.22	.13	45.08	.13	0	0
US STEEL	297	407.00	4590.00	.24	.13	57.81	.00	58.05	.13	52.91	.13	0	0
US STEEL	298	407.00	4589.00	.30	.15	44.08	.00	44.38	.15	44.64	.15	0	0
US STEEL	299	408.00	4589.00	.30	.15	28.56	.00	28.86	.15	35.18	.15	0	0
US STEEL	300	401.00	4590.00	.60	.29	13.81	.00	14.41	.29	26.71	.29	0	0
US STEEL	301	402.00	4590.00	.60	.29	14.18	.00	14.78	.29	26.93	.29	0	0
US STEEL	302	404.00	4590.00	.60	.29	20.69	.00	21.29	.29	30.90	.29	0	0
US STEEL	303	401.00	4589.00	.82	.40	19.51	.00	20.34	.40	30.58	.40	0	0
US STEEL	304	402.00	4589.00	.82	.40	15.42	.00	16.24	.40	28.09	.40	0	0
US STEEL	305	403.00	4589.00	.82	.40	18.22	.00	19.05	.40	29.60	.40	0	0
US STEEL	306	401.00	4588.00	.82	.40	18.79	.00	19.61	.40	30.14	.40	0	0
US STEEL	307	402.00	4588.00	.82	.40	16.59	.00	17.41	.40	28.80	.40	0	0
US STEEL	308	403.00	4588.00	.82	.40	17.98	.00	18.80	.40	29.65	.40	0	0
US STEEL	309	404.00	4588.00	.82	.40	23.50	.00	24.32	.40	33.01	.40	0	0
US STEEL	310	405.00	4588.00	.56	.28	30.51	.00	31.07	.28	36.83	.28	0	0
US STEEL	311	406.00	4588.00	.30	.15	33.00	.00	33.30	.15	37.88	.15	0	0
US STEEL	312	407.00	4588.00	.30	.15	28.34	.00	28.64	.15	35.04	.15	0	0
US STEEL	313	398.00	4587.00	.22	.11	13.77	.00	13.99	.11	26.01	.11	0	0
US STEEL	314	405.00	4587.00	.56	.28	28.14	.00	28.70	.28	35.38	.28	0	0
US STEEL	315	406.00	4587.00	.30	.15	24.77	.00	25.07	.15	32.87	.15	0	0
US STEEL	316	407.00	4586.00	.30	.15	24.85	.00	25.14	.15	32.91	.15	0	0
US STEEL	317	403.00	4586.00	.82	.40	19.03	.00	19.85	.40	30.29	.40	0	0
US STEEL	318	400.00	4590.00	.42	.20	13.86	.00	14.28	.20	26.42	.20	0	0
PAINV.MUN.	319	478.90	4619.90	.82	.21	60.08	.00	60.90	.21	55.32	.21	0	0
.C CC	320	424.00	4586.00	1.09	.19	14.74	.00	15.84	.19	28.15	.19	0	0
LK INC	321	434.00	4591.00	6.29	1.17	23.28	.00	29.56	1.17	42.50	1.17	0	0
LK INC	322	434.50	4590.50	6.29	1.17	29.78	.00	36.07	1.17	46.47	1.17	0	0
CHEV C	323	435.00	4586.00	1.97	.38	35.36	.00	37.33	.38	42.27	.38	0	0
CHEV C	324	436.00	4586.00	1.13	.22	52.37	.00	53.51	.22	51.18	.22	0	0
LN INC	325	435.00	4591.00	5.38	1.07	28.67	.00	34.05	1.07	44.19	1.07	0	0
FORD C	326	430.00	4585.00	1.80	.73	17.86	.00	19.65	.73	31.28	.73	0	0
FORD C	327	431.00	4585.00	2.42	.71	18.78	.00	21.20	.71	32.95	.71	0	0
FORD C	328	432.00	4585.00	2.42	.71	23.03	.00	25.45	.71	35.54	.71	0	0
CHEV C	329	434.00	4585.00	2.78	.51	24.90	.00	27.68	.51	37.31	.51	0	0
CHEV C	330	436.00	4585.00	2.17	.40	44.63	.00	46.79	.40	46.27	.40	0	0
CHEV C	331	436.50	4585.00	2.17	.40	36.92	.00	39.08	.40	43.56	.40	0	0

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	RECEPTOR	COORDINATE		AREA		POINT		TOTAL		CALIBRATED		OBS. MEAN	
	ID	X	Y	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2
FORD C	332	430.00	4584.00	1.21	.75	16.66	.00	17.67	.75	29.52	.75	0	0
FORD C	333	432.00	4584.00	1.72	.84	19.56	.00	21.27	.84	32.18	.84	0	0
LW INC	334	434.00	4590.00	5.28	.98	26.47	.00	31.74	.98	42.66	.98	0	0
LW INC	335	435.00	4595.00	2.10	.43	23.33	.00	25.43	.43	35.16	.43	0	0
CHEV C	336	436.00	4584.00	3.20	.58	31.17	.00	34.37	.58	41.87	.58	0	0
FORD C	337	430.00	4583.00	1.21	.75	16.49	.00	17.70	.75	29.42	.75	0	0
FORD C	338	431.00	4583.00	1.72	.84	20.15	.00	21.87	.84	32.54	.84	0	0
FORD C	339	432.00	4583.00	1.72	.84	19.42	.00	21.14	.84	32.10	.84	0	0
LW INC	340	435.00	4590.00	4.71	.94	33.06	.00	37.78	.94	45.69	.94	0	0
CLEV-MUNY	341	447.00	4597.00	8.89	1.88	55.50	.00	64.39	1.88	66.73	1.88	0	0
CEI	342	446.50	4597.00	8.89	1.88	64.89	.00	73.78	1.88	72.45	1.88	0	0
CEI L	343	446.50	4599.00	.45	.10	49.75	.00	50.20	.10	48.36	.10	0	0
ELK P	344	464.00	4613.00	.70	.19	23.78	.00	24.48	.19	32.97	.19	0	0
ELK P	345	463.00	4612.00	.68	.38	31.85	.00	32.53	.38	37.85	.38	0	0
ELK P	346	464.00	4612.00	.68	.38	26.21	.00	26.88	.38	34.40	.38	0	0
OHIO R	347	465.50	4611.00	.70	.19	39.96	.00	40.66	.19	42.84	.19	0	0
OHIO R	348	464.50	4610.00	.59	.39	32.58	.00	33.16	.39	38.13	.39	0	0
OHIO R	349	466.00	4610.00	.49	.15	33.88	.00	34.37	.15	38.75	.15	0	0
OHIO R	350	465.00	4609.00	.38	.26	34.52	.00	34.90	.26	38.96	.26	0	0
OHIO R	351	466.00	4609.00	.27	.11	31.80	.00	32.07	.11	37.10	.11	0	0
EUC &WIK	352	461.00	4607.00	4.43	.67	37.13	.00	41.56	.67	47.68	.67	0	0
EUC &WIK	353	459.00	4606.00	2.03	.37	41.08	.00	43.11	.37	45.86	.37	0	0
EUC &WIK	354	457.00	4605.50	4.88	.91	45.50	.00	50.38	.91	53.58	.91	0	0
EUC &WIK	355	455.00	4604.00	2.54	.49	40.90	.00	43.44	.49	46.65	.49	0	0
EUC &WIK	356	456.50	4603.50	2.30	.42	41.85	.00	44.15	.42	46.80	.42	0	0
EUC &WIK	357	459.00	4604.00	1.71	.33	38.23	.00	39.94	.33	43.56	.33	0	0
EUC &WIK	358	459.00	4604.00	1.71	.33	41.81	.00	43.52	.33	45.74	.33	0	0
EUC &WIK	359	454.50	4603.00	2.78	.55	40.36	.00	43.14	.55	46.74	.55	0	0
EUC &WIK	360	455.00	4602.00	2.70	.53	41.05	.00	43.74	.53	47.01	.53	0	0
EUC &WIK	361	456.00	4602.00	1.55	.29	43.00	.00	44.55	.29	46.19	.29	0	0
NL&FB	362	451.00	4601.00	3.37	.66	50.03	.00	53.39	.66	53.67	.66	0	0
NL&FB	363	453.00	4601.00	3.84	.77	45.15	.00	48.99	.77	51.54	.77	0	0
NL&FB	364	453.00	4600.00	4.43	.86	45.84	.00	50.27	.86	52.99	.86	0	0
NL&FB	365	451.50	4599.50	7.35	1.56	50.70	.00	58.05	1.56	61.09	1.56	0	0
NL&FB	366	453.50	4598.00	5.01	.95	41.13	.00	46.14	.95	51.14	.95	0	0
UNIV HT.	367	455.00	4594.00	4.06	.73	33.34	.00	37.40	.73	44.71	.73	0	0
CLE-CBD	368	448.00	4598.00	.45	.10	46.37	.00	46.82	.10	46.30	.10	0	0
CLE-CBD	369	445.00	4596.00	4.98	1.32	79.52	.00	84.50	1.32	74.50	1.32	0	0
CLE-CBD	370	443.00	4593.00	3.16	.67	62.85	.00	66.01	.67	61.14	.67	0	0
CLE-CBD	371	442.00	4592.00	8.64	.00	53.76	.00	62.40	.00	65.23	.00	0	0
CLE-CBD	372	446.00	4591.00	4.23	.93	79.91	.00	84.14	.93	73.42	.93	0	0
CLE-CBD	373	445.00	4597.00	4.98	1.32	58.87	.00	63.85	1.32	61.91	1.32	0	0
CLE-CBD	374	443.50	4595.00	1.07	.76	75.66	.00	76.73	.76	65.27	.76	0	0
CLE-SWCBD	375	442.00	4588.00	4.57	.97	43.68	.00	48.25	.97	51.92	.97	0	0
MED CTR	376	449.50	4594.50	5.00	1.11	49.02	.00	54.01	1.11	55.93	1.11	0	0

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RECEPTOR ID		COORDINATE X	Y	AREA P1	P2	POINT P1	P2	TOTAL P1	P2	CALIBRATED P1	P2	OBS. MEAN P1	P2
GMC-TRANSC	38	435.40	4586.10	1.13	.22	64.71	.00	65.84	.22	58.70	.22	0	0
GMC-TRANSC	39	435.00	4586.00	1.97	.38	35.36	.00	37.33	.38	42.27	.38	0	0
GMC-TRANSC	40	434.70	4585.80	2.81	.54	28.72	.00	31.52	.54	39.69	.54	0	0
GMC-TRANSC	33	434.50	4585.50	2.81	.54	27.38	.00	30.19	.54	38.87	.54	0	0
GMC-TRANSC	46	434.40	4585.10	2.81	.54	26.38	.00	29.19	.54	38.26	.54	0	0
GMC-TRANSC	52	434.50	4584.70	2.75	.49	24.96	.00	27.71	.49	37.29	.49	0	0
GMC-TRANSC	81	434.70	4584.40	2.75	.49	29.29	.00	32.04	.49	39.93	.49	0	0
GMC-TRANSC	82	435.00	4584.20	2.97	.53	33.75	.00	36.72	.53	43.05	.53	0	0
GMC-TRANSC	83	435.40	4584.10	3.20	.58	45.71	.00	48.91	.58	50.74	.58	0	0
GMC-TRANSC	84	435.40	4586.60	1.13	.22	54.19	.00	55.31	.22	52.28	.22	0	0
GMC-TRANSC	85	433.90	4585.70	2.81	.54	25.77	.00	28.57	.54	37.89	.54	0	0
GMC-TRANSC	86	433.80	4585.10	2.81	.54	24.30	.00	27.10	.54	36.99	.54	0	0
FMC-CAST	87	430.70	4585.50	3.13	.58	20.85	.00	23.98	.58	35.46	.58	0	0
FMC-CAST	88	430.10	4585.40	3.13	.58	18.54	.00	21.67	.58	34.05	.58	0	0
FMC-CAST	89	429.10	4585.50	1.63	.83	17.71	.00	19.34	.83	30.90	.83	0	0
FMC-CAST	98	429.10	4583.20	.70	.67	15.52	.00	16.22	.67	27.93	.67	0	0
FMC-CAST	102	430.10	4582.20	1.65	.28	17.55	.00	19.20	.28	30.84	.28	0	0
FMC-CAST	103	430.70	4582.10	1.65	.28	19.00	.00	20.65	.28	31.72	.28	0	0
FMC-CAST	104	456.10	4578.20	.29	.07	39.00	.00	39.29	.07	41.53	.07	0	0
FMC-CAST	120	455.90	4578.10	.29	.07	19.81	.00	20.10	.07	29.82	.07	0	0
FMC-CAST	193	455.80	4577.90	.29	.07	18.30	.00	18.58	.07	28.90	.07	0	0
FMC-CAST	194	455.90	4577.70	.29	.07	20.01	.00	20.30	.07	29.94	.07	0	0
FMC-CAST	218	456.10	4577.60	.29	.07	30.33	.00	30.62	.07	36.24	.07	0	0
GMC-TRANSC	219	433.90	4584.50	2.75	.49	23.66	.00	26.41	.49	36.50	.49	0	0
GMC-TRANSC	220	434.90	4583.60	2.75	.49	29.58	.00	32.32	.49	40.11	.49	0	0
EDGEWATER	221	400.60	4593.30	.37	.19	17.96	.00	18.33	.19	28.84	.19	0	0
EDGEWATER	191	399.20	4592.70	.00	.00	12.78	.00	12.78	.00	25.03	.00	0	0
USS LOR	222	403.50	4589.00	.62	.40	20.10	.00	20.92	.40	30.94	.40	0	0
USS LOR	223	404.50	4588.00	.82	.40	25.31	.00	26.13	.40	34.12	.40	0	0
USS LOR	224	404.50	4590.00	.60	.29	29.10	.00	29.70	.29	36.03	.29	0	0
AVON LAKE	225	410.20	4595.20	.04	.02	17.11	.00	17.15	.02	27.73	.02	0	0
AVON LAKE	226	410.40	4594.40	.15	.07	17.05	.00	17.20	.07	27.89	.07	0	0
AVON LAKE	227	410.80	4593.80	.15	.07	19.11	.00	19.26	.07	29.15	.07	0	0
CEI-PUMP	228	440.00	4594.00	.94	.20	34.92	.00	35.85	.20	40.18	.20	0	0
CEI-PUMP	229	441.00	4593.00	.35	.09	36.62	.00	36.97	.09	40.19	.09	0	0
NATL.CAN.	230	443.00	4593.00	3.16	.67	62.85	.00	66.01	.67	61.14	.67	0	0
CEI HAM	231	444.00	4597.00	1.07	.76	63.46	.00	64.54	.76	57.83	.76	0	0
CLEV.MUNY.	232	445.00	4597.00	4.98	1.32	58.87	.00	63.85	1.32	61.91	1.32	0	0
CLEV.MUNY.	233	445.00	4596.00	.31	.07	49.87	.00	50.18	.07	48.19	.07	0	0
CLEV.MUNY.	234	446.00	4599.00	.45	.10	49.61	.00	50.05	.10	48.28	.10	0	0
LAKE SHORE	235	447.00	4599.00	.45	.10	51.15	.00	51.60	.10	49.22	.10	0	0
MED.CENT.	236	448.00	4595.00	7.17	1.48	59.60	.00	66.77	1.48	60.20	1.48	0	0
GMC-FISHER	237	450.00	4601.00	1.71	.34	59.21	.00	60.92	.34	56.36	.34	0	0
HUPPING	238	451.50	4601.00	3.37	.66	48.73	.00	52.09	.66	52.68	.66	0	0
HUPPING	239	451.50	4599.00	7.35	1.56	46.21	.00	53.55	1.56	58.35	1.56	0	0

CDMI VERSION 70130. RUN 11
(MICROGRAMS PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

RECEPTOR ID		COORDINATE X	Y	AREA P1	P2	POINT P1	P2	TOTAL P1	P2	CALIBRATED P1	P2	OBS. MEAN P1	P2
HUPPING	240	453.00	4599.00	5.01	.95	40.37	.00	45.38	.95	50.67	.95	0	0
HUPPING	241	453.00	4601.00	3.84	.77	45.15	.00	48.99	.77	51.54	.77	0	0
GEN.ELEC.	250	455.00	4602.00	2.70	.53	41.05	.00	43.74	.53	47.01	.53	0	0
GEN.ELEC.	251	455.00	4603.00	2.54	.49	40.20	.00	42.74	.49	46.22	.49	0	0
GEN.ELEC.	264	456.00	4603.00	2.30	.42	47.07	.00	49.37	.42	49.99	.42	0	0
GEN.ELEC.	377	456.00	4602.00	1.55	.29	43.00	.00	44.55	.29	46.19	.29	0	0
ADDRESSOGR	378	457.00	4604.00	2.30	.42	41.87	.00	44.17	.42	46.81	.42	0	0
ADDRESSOGR	379	457.00	4606.00	4.88	.91	43.49	.00	48.38	.91	52.35	.91	0	0
ADDRESSOGR	380	458.00	4606.00	2.03	.37	40.90	.00	42.93	.37	45.75	.37	0	0
ADDRESSOGR	381	458.00	4604.00	1.71	.33	41.81	.00	43.52	.33	45.74	.33	0	0
ADDRESSOGR	382	459.00	4606.00	2.03	.37	41.08	.00	43.11	.37	45.86	.37	0	0
ADDRESSOGR	383	459.0	4608.00	.89	.17	37.51	.00	38.40	.17	41.68	.17	0	0
LUBRIZOL	384	461.00	4606.00	4.43	.67	36.03	.00	40.46	.67	47.01	.67	0	0
LUBRIZOL	385	461.00	4608.00	1.34	.66	36.18	.00	37.52	.66	41.66	.66	0	0
CEI-E.LAKE	386	463.00	4615.40	.00	.00	40.62	.00	40.62	.00	42.01	.00	0	0
CEI-E.LAKE	387	462.00	4615.20	.00	.00	26.72	.00	26.72	.00	33.53	.00	0	0
OHIO RUBB.	388	464.50	4611.00	.68	.38	30.73	.00	31.40	.38	37.16	.38	0	0
OHIO RUBB.	389	466.00	4611.00	.70	.19	36.50	.00	37.20	.19	40.73	.19	0	0
PEP. STEEL	390	475.60	4624.00	.04	.00	32.63	.00	32.67	.00	37.21	.00	0	0
DIA.SHAMRK	391	477.40	4624.00	.04	.00	37.71	.00	37.75	.00	40.31	.00	0	0
US STEEL	392	476.50	4619.60	.82	.21	35.08	.00	35.90	.21	40.07	.21	0	0
CLEV -MUNY	393	446.00	4598.00	.45	.10	46.37	.00	46.82	.10	46.30	.10	0	0
CLE-MUNY	394	445.50	4597.00	8.89	1.68	56.50	.00	65.38	1.88	67.33	1.88	0	0
CLEV-MUNY	395	445.00	4598.00	.31	.07	51.15	.00	51.46	.07	48.97	.07	0	0
CLEV-MUNY	396	445.50	4598.00	.45	.10	47.73	.00	48.18	.10	47.13	.10	0	0
REP. STEEL	127	442.60	4592.60	3.16	.67	54.71	.00	57.87	.67	56.17	.67	0	0
FORD LOR	397	394.00	4587.20	.07	.03	71.05	.00	71.12	.03	60.69	.03	0	0
FORD LOR	398	393.20	4587.00	.07	.03	14.40	.00	14.47	.03	26.14	.03	0	0
FORD LOR	399	393.40	4586.50	.07	.03	15.37	.00	15.44	.03	26.72	.03	0	0
FORD LOR	400	393.50	4586.00	.07	.03	20.77	.00	20.84	.03	30.02	.03	0	0
FORD LOR	401	394.00	4585.90	.07	.03	49.78	.00	49.85	.03	47.72	.03	0	0
USS-CUY	402	444.40	4588.60	1.18	.00	167.57	.00	168.75	.00	121.52	.00	0	0
USS-CUY	403	444.00	4586.40	1.18	.00	81.71	.00	82.89	.00	69.15	.00	0	0
USS-CUY	404	443.80	4588.00	1.18	.00	68.25	.00	69.43	.00	60.93	.00	0	0
USS-CUY	405	444.00	4587.60	1.18	.00	83.03	.00	84.21	.00	69.95	.00	0	0
USS-CUY	406	444.40	4587.40	1.04	.21	126.49	.00	127.52	.21	96.21	.21	0	0
USS LOR	407	404.30	4590.20	.37	.19	27.47	.00	27.84	.19	34.64	.19	0	0
USS LOR	408	403.50	4589.90	.82	.40	17.81	.00	18.63	.40	29.54	.40	0	0
USS LOR	409	403.10	4589.00	.82	.40	18.33	.00	19.15	.40	29.66	.40	0	0
USS LOR	410	403.50	4588.20	.82	.40	18.45	.00	19.27	.40	29.93	.40	0	0
USS LOR	411	404.30	4587.80	.82	.40	27.20	.00	28.02	.40	35.27	.40	0	0
USS LOR	412	404.80	4590.60	.37	.19	32.65	.00	33.02	.19	37.80	.19	0	0
USS LOR	413	404.40	4590.50	.37	.19	28.87	.00	29.24	.19	35.49	.19	0	0
USS LOR	414	403.80	4589.90	.82	.40	19.50	.00	20.32	.40	30.58	.40	0	0
USS LOR	415	403.80	4588.90	.82	.40	20.56	.00	21.38	.40	31.22	.40	0	0

CDMI VERSION 76130, RUN 11
(MICROGRAMS PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

	RECEPTOR ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
USS LOR	416	404.40	4588.30	.82	.40	25.91	.00	26.74	.40	34.49	.40	0	0
USS LOR	417	404.90	4588.20	.82	.40	30.29	.00	31.12	.40	37.16	.40	0	0
J&LS	418	442.40	4590.90	4.11	.89	46.79	.00	50.90	.89	53.01	.89	0	0
J&LS	419	442.10	4590.80	4.11	.89	43.21	.00	47.32	.89	50.82	.89	0	0
J&LS	420	441.70	4590.40	4.11	.89	41.67	.00	45.78	.89	49.88	.89	0	0
J&LS	421	441.70	4589.80	4.57	.97	41.51	.00	46.08	.97	50.59	.97	0	0
J&LS	422	442.10	4589.40	4.57	.97	44.02	.00	48.59	.97	52.13	.97	0	0
J&LS	423	442.40	4589.30	4.57	.97	47.68	.00	52.25	.97	54.36	.97	0	0
J&LS	424	443.60	4592.70	3.16	.67	93.27	.00	96.43	.67	79.69	.67	0	0
J&LS	425	442.80	4592.40	8.64	.00	54.89	.00	63.53	.00	65.92	.00	0	0
J&LS	426	442.40	4591.50	4.11	.89	49.23	.00	53.34	.89	54.50	.89	0	0
J&LS	427	442.80	4590.70	1.82	2.02	53.92	.00	55.74	2.02	53.33	2.02	0	0
J&LS	428	443.60	4590.30	1.82	2.02	70.02	.00	71.85	2.02	63.16	2.02	0	0

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

FROM POINT SOURCES

SOURCE	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
1	.61	1.05	.39	.69	.36	.62	.55	.51	1.22	.49
	.65%	1.27%	.38%	.78%	.34%	.51%	.58%	.61%	1.47%	.46%
2	1.96	3.62	1.27	2.22	1.17	1.98	1.74	1.74	4.36	1.51
	2.07%	4.35%	1.24%	2.52%	1.09%	1.63%	1.81%	2.09%	5.28%	1.43%
3	.39	.50	.53	.45	.45	.42	.34	.66	.78	.26
	.41%	.60%	.52%	.51%	.42%	.34%	.36%	.79%	.94%	.24%
4	1.82	2.44	.99	1.92	.97	.97	1.73	1.08	1.18	1.62
	1.92%	2.93%	.98%	2.17%	.91%	.80%	1.79%	1.29%	1.43%	1.53%
5	1.44	2.21	.87	1.58	.82	.82	1.32	1.06	1.16	1.18
	1.53%	2.66%	.85%	1.79%	.77%	.68%	1.37%	1.27%	1.41%	1.12%
6	1.35	2.07	.81	1.48	.77	.77	1.24	.99	1.09	1.11
	1.43%	2.49%	.80%	1.68%	.72%	.63%	1.29%	1.19%	1.32%	1.05%
7	1.37	2.23	.83	1.52	.78	.79	1.24	1.06	1.20	1.10
	1.45%	2.68%	.82%	1.73%	.73%	.65%	1.29%	1.27%	1.46%	1.04%
8	1.41	2.28	.85	1.56	.80	.81	1.27	1.09	1.23	1.13
	1.49%	2.75%	.84%	1.77%	.75%	.66%	1.32%	1.30%	1.50%	1.07%
9	.11	.12	.12	.11	.11	.11	.10	.07	.21	.09
	.11%	.15%	.11%	.13%	.11%	.09%	.10%	.08%	.26%	.08%
10	.06	.04	.06	.06	.06	.06	.05	.07	.01	.02
	.06%	.04%	.06%	.07%	.05%	.05%	.05%	.09%	.01%	.02%
11	.17	.24	.11	.43	.16	.38	.20	.23	.17	.05
	.18%	.29%	.11%	.49%	.15%	.31%	.21%	.27%	.21%	.05%
12	2.32	4.65	.38	2.12	1.79	4.80	3.84	3.21	3.94	1.14
	2.45%	5.59%	.87%	2.41%	1.68%	3.95%	3.99%	3.85%	4.77%	1.08%
13	.09	.12	.07	.10	.09	.09	.08	.09	.14	.08
	.09%	.15%	.07%	.11%	.08%	.07%	.08%	.11%	.17%	.07%
14	.15	.12	.18	.15	.18	.16	.17	.15	.16	.08
	.16%	.14%	.17%	.17%	.17%	.13%	.18%	.18%	.19%	.08%
15	.04	.03	.04	.04	.04	.04	.04	.04	.04	.02
	.04%	.03%	.04%	.04%	.04%	.03%	.04%	.04%	.05%	.02%

-----SOURCE CONTRIBUTION TABLE-----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

FROM POINT SOURCES

SOURCE	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
16	.02 .02%	.02 .02%	.02 .02%	.02 .02%	.02 .02%	.02 .02%	.02 .02%	.02 .02%	.02 .02%	.01 .01%
17	.40 .42%	.33 .39%	.44 .43%	.40 .45%	.44 .42%	.42 .34%	.43 .45%	.54 .64%	.42 .51%	.24 .22%
18	.04 .04%	.05 .06%	.03 .03%	.04 .04%	.04 .03%	.04 .03%	.04 .04%	.03 .03%	.04 .05%	.06 .06%
19	.04 .05%	.07 .08%	.04 .04%	.05 .05%	.04 .04%	.04 .03%	.04 .04%	.05 .06%	.08 .09%	.05 .05%
20	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
21	.28 .30%	.22 .26%	1.15 1.13%	.44 .50%	1.30 1.22%	.40 .33%	.34 .35%	.36 .43%	.15 .18%	.11 .10%
22	.18 .19%	.13 .15%	.90 .88%	.29 .33%	1.03 .97%	.27 .22%	.22 .23%	.22 .26%	.09 .10%	.06 .06%
23	.28 .29%	.17 .20%	1.61 1.59%	.47 .53%	.99 .93%	.41 .34%	.29 .30%	.36 .43%	.13 .16%	.09 .08%
24	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
25	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
26	.21 .22%	.22 .26%	.15 .15%	.17 .19%	.18 .16%	.20 .16%	.24 .25%	.11 .13%	.17 .20%	.89 .84%
27	.41 .44%	1.41 1.70%	1.29 1.26%	.57 .65%	.97 .91%	.90 .74%	.66 .69%	4.99 5.97%	3.26 3.95%	.21 .20%
28	.01 .01%	.01 .02%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
29	.02 .02%	.04 .04%	.00 .00%	.01 .02%	.01 .01%	.01 .01%	.02 .02%	.03 .04%	.03 .04%	.01 .01%
30	.14 .14%	.31 .37%	.02 .02%	.11 .13%	.08 .08%	.11 .09%	.13 .13%	.25 .30%	.30 .36%	.12 .11%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

FROM POINT SOURCES

SOURCE	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
31	.11	.28	.21	.16	.28	.12	.17	.67	.20	.04
	.11%	.34%	.21%	.18%	.26%	.10%	.17%	.80%	.25%	.04%
32	.11	.28	.21	.16	.28	.12	.17	.67	.20	.04
	.11%	.34%	.21%	.18%	.26%	.10%	.17%	.80%	.25%	.04%
33	.11	.28	.21	.16	.28	.12	.17	.67	.20	.04
	.11%	.34%	.21%	.18%	.26%	.10%	.17%	.80%	.25%	.04%
34	.11	.28	.21	.16	.28	.12	.17	.67	.20	.04
	.11%	.34%	.21%	.18%	.26%	.10%	.17%	.80%	.25%	.04%
35	.11	.28	.21	.16	.28	.12	.17	.67	.20	.04
	.11%	.34%	.21%	.18%	.26%	.10%	.17%	.80%	.25%	.04%
36	.11	.28	.21	.16	.28	.12	.17	.67	.20	.04
	.11%	.34%	.21%	.18%	.26%	.10%	.17%	.80%	.25%	.04%
37	.18	.47	.28	.24	.43	.19	.29	.70	.35	.08
	.19%	.56%	.27%	.27%	.40%	.16%	.30%	.84%	.44%	.08%
38	.18	.49	.30	.25	.45	.20	.30	.77	.38	.09
	.19%	.58%	.29%	.28%	.42%	.17%	.31%	.92%	.46%	.08%
39	.28	.76	.61	.43	.73	.31	.44	2.90	.54	.12
	.29%	.91%	.60%	.49%	.69%	.26%	.45%	3.46%	.66%	.11%
40	.26	.71	.57	.41	.69	.29	.41	2.74	.51	.11
	.28%	.86%	.56%	.46%	.65%	.24%	.43%	3.28%	.62%	.11%
41	.24	.64	.34	.31	.56	.26	.42	.82	.54	.14
	.26%	.77%	.33%	.35%	.52%	.21%	.43%	.99%	.65%	.13%
42	.16	.37	.09	.16	.16	.16	.16	.26	.34	.13
	.17%	.45%	.09%	.18%	.15%	.13%	.16%	.31%	.41%	.12%
43	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.02%	.01%	.00%
44	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
	.00%	.01%	.00%	.00%	.00%	.00%	.00%	.01%	.00%	.00%
45	.06	.05	.05	.06	.04	.05	.05	.03	.06	.05
	.07%	.06%	.05%	.06%	.04%	.04%	.06%	.04%	.07%	.05%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

FROM POINT SOURCES

SOURCE	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
46	.06	.05	.05	.06	.04	.05	.05	.03	.06	.05
	.07%	.07%	.05%	.06%	.04%	.04%	.06%	.04%	.08%	.05%
47	.09	.24	.38	.14	.25	.10	.07	1.81	.27	.04
	.10%	.28%	.37%	.16%	.24%	.09%	.08%	2.17%	.33%	.04%
48	.45	.57	.16	.51	.24	.46	.39	.10	.69	.14
	.48%	.60%	.16%	.53%	.23%	.38%	.40%	.12%	.63%	.13%
49	.32	.42	.12	.37	.17	.32	.27	.08	.48	.10
	.34%	.51%	.12%	.42%	.16%	.27%	.28%	.10%	.59%	.09%
50	.28	.37	.11	.32	.16	.29	.23	.08	.37	.08
	.30%	.44%	.10%	.36%	.15%	.24%	.24%	.10%	.45%	.07%
51	.28	.37	.11	.32	.16	.29	.23	.08	.37	.08
	.30%	.44%	.10%	.36%	.15%	.24%	.24%	.10%	.45%	.07%
52	.28	.37	.11	.32	.16	.29	.23	.08	.37	.08
	.30%	.44%	.10%	.36%	.15%	.24%	.24%	.10%	.45%	.07%
53	.29	.36	.11	.32	.16	.29	.24	.15	.37	.08
	.30%	.44%	.10%	.36%	.15%	.24%	.25%	.18%	.44%	.08%
54	.29	.36	.11	.32	.16	.29	.24	.15	.37	.08
	.30%	.44%	.10%	.36%	.15%	.24%	.25%	.18%	.44%	.08%
55	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
56	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
57	.17	.23	.10	.27	.10	.18	.11	.12	.16	.03
	.18%	.28%	.10%	.31%	.10%	.15%	.12%	.15%	.20%	.03%
58	.17	.23	.10	.27	.10	.18	.11	.12	.16	.03
	.18%	.28%	.10%	.31%	.10%	.15%	.12%	.15%	.20%	.03%
59	.17	.23	.10	.27	.10	.18	.11	.12	.16	.03
	.18%	.28%	.10%	.31%	.10%	.15%	.12%	.15%	.20%	.03%
60	.17	.23	.10	.27	.10	.18	.11	.12	.16	.03
	.18%	.28%	.10%	.31%	.10%	.15%	.12%	.15%	.20%	.03%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

FROM POINT SOURCES

SOURCE	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
61	.18	.23	.10	.28	.11	.19	.12	.20	.16	.03
	.19%	.27%	.10%	.32%	.10%	.15%	.12%	.24%	.19%	.03%
62	.18	.23	.10	.28	.11	.19	.12	.20	.16	.03
	.19%	.27%	.10%	.32%	.10%	.15%	.12%	.24%	.19%	.03%
63	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
65	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
66	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
67	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
68	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
69	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
70	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
71	.18	.23	.10	.28	.11	.19	.12	.20	.16	.03
	.19%	.27%	.10%	.32%	.10%	.15%	.12%	.24%	.19%	.03%
72	.01	.15	.01	.02	.00	.01	.03	.14	.15	.07
	.02%	.17%	.01%	.02%	.00%	.01%	.03%	.17%	.18%	.08%
73	.15	.19	.30	.25	1.54	.14	.13	.34	.15	.00
	.16%	.23%	.30%	.29%	1.44%	.12%	.14%	.40%	.18%	.00%
74	.15	.19	.23	.25	.67	.14	.13	.34	.15	.02
	.16%	.23%	.27%	.29%	.63%	.12%	.13%	.41%	.18%	.02%
75	.08	.25	.00	.05	.18	.10	.11	.27	.24	.10
	.09%	.30%	.00%	.05%	.17%	.08%	.12%	.32%	.29%	.09%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

FROM POINT SOURCES

SOURCE	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
76	.08 .09%	.26 .32%	.00 .00%	.04 .04%	.08 .08%	.10 .09%	.12 .12%	.28 .33%	.25 .30%	.11 .10%
77	.05 .06%	.06 .07%	.01 .01%	.04 .05%	.01 .01%	.03 .02%	.06 .06%	.02 .03%	.09 .11%	.02 .02%
78	.46 .48%	.52 .62%	.06 .05%	.44 .49%	.14 .13%	.46 .38%	.42 .44%	.19 .22%	.66 .80%	.17 .16%
79	.39 .41%	.42 .51%	.08 .08%	.36 .41%	.18 .17%	.39 .32%	.36 .38%	.14 .17%	.57 .69%	.15 .14%
80	.17 .18%	.38 .46%	.07 .07%	.33 .38%	.17 .16%	.36 .29%	.34 .35%	.13 .15%	.54 .65%	.14 .13%
81	.66 .70%	1.43 1.71%	.60 .59%	.66 .74%	1.37 1.29%	.67 .55%	1.25 1.30%	.50 .60%	1.53 1.85%	.51 .48%
82	.26 .28%	.56 .68%	.06 .06%	.20 .23%	.51 .48%	.27 .22%	.26 .27%	.79 .95%	.47 .53%	.21 .20%
83	.11 .11%	.24 .29%	.11 .10%	.11 .13%	.11 .10%	.22 .18%	.20 .21%	.03 .04%	.26 .31%	.08 .07%
84	.21 .22%	.47 .57%	.19 .19%	.21 .23%	.43 .40%	.21 .17%	.37 .38%	.24 .28%	.45 .54%	.15 .14%
85	.10 .10%	.19 .23%	.08 .08%	.08 .09%	.20 .19%	.09 .08%	.18 .19%	.04 .05%	.20 .24%	.08 .07%
86	.20 .21%	.45 .54%	.19 .18%	.20 .23%	.40 .38%	.20 .17%	.35 .37%	.19 .23%	.43 .52%	.14 .13%
87	.07 .08%	.17 .20%	.06 .06%	.07 .08%	.15 .14%	.08 .06%	.14 .14%	.08 .10%	.16 .19%	.05 .05%
88	.12 .13%	.25 .30%	.17 .16%	.15 .17%	.28 .26%	.26 .21%	.21 .21%	.01 .01%	.35 .42%	.07 .06%
89	.01 .02%	.03 .03%	.03 .03%	.02 .02%	.03 .03%	.03 .02%	.03 .03%	.00 .00%	.04 .04%	.01 .01%
90	.01 .01%	.02 .02%	.02 .02%	.01 .01%	.02 .02%	.02 .02%	.02 .02%	.00 .00%	.03 .03%	.01 .01%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

FROM POINT SOURCES

SOURCE	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
91	.04	.10	.10	.04	.08	.04	.06	.01	.12	.02
	.04%	.12%	.10%	.05%	.08%	.03%	.06%	.01%	.15%	.02%
92	.04	.10	.10	.04	.08	.04	.06	.01	.12	.02
	.04%	.12%	.10%	.05%	.08%	.03%	.06%	.01%	.15%	.02%
93	.04	.10	.10	.04	.08	.04	.06	.01	.12	.02
	.04%	.12%	.10%	.05%	.08%	.03%	.06%	.01%	.15%	.02%
94	.04	.10	.10	.04	.08	.04	.06	.01	.12	.02
	.04%	.12%	.10%	.05%	.08%	.03%	.06%	.01%	.15%	.02%
95	.04	.10	.10	.04	.08	.04	.06	.01	.12	.02
	.04%	.12%	.10%	.05%	.08%	.03%	.06%	.01%	.15%	.02%
96	.03	.09	.09	.04	.08	.04	.06	.01	.12	.02
	.04%	.11%	.09%	.05%	.07%	.03%	.06%	.01%	.14%	.02%
97	7.74	1.15	2.22	6.64	1.88	12.36	7.72	2.07	.97	.90
	8.19%	1.38%	2.18%	7.53%	1.77%	10.17%	8.02%	2.48%	1.18%	.85%
98	7.74	1.15	2.22	6.64	1.88	12.36	7.72	2.07	.97	.90
	8.19%	1.38%	2.18%	7.53%	1.77%	10.17%	8.02%	2.48%	1.18%	.85%
99	4.87	.49	1.09	3.35	1.09	8.94	5.24	.88	.40	.39
	5.15%	.58%	1.07%	3.80%	1.02%	7.35%	5.45%	1.05%	.49%	.37%
100	4.87	.48	1.09	3.35	1.09	8.94	5.24	.88	.40	.39
	5.15%	.56%	1.07%	3.80%	1.02%	7.35%	5.45%	1.05%	.49%	.37%
101	4.87	.48	1.09	3.35	1.09	8.94	5.24	.88	.40	.39
	5.15%	.58%	1.07%	3.80%	1.02%	7.35%	5.45%	1.05%	.49%	.37%
102	4.81	.48	1.08	3.31	1.07	8.83	5.18	.87	.40	.39
	5.09%	.57%	1.06%	3.76%	1.01%	7.27%	5.39%	1.04%	.48%	.37%
103	4.81	.48	1.08	3.31	1.07	8.83	5.18	.87	.40	.39
	5.09%	.57%	1.06%	3.76%	1.01%	7.27%	5.39%	1.04%	.48%	.37%
104	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
105	.32	.39	.31	.32	.30	.31	.30	.34	.41	.39
	.33%	.47%	.31%	.37%	.28%	.26%	.31%	.41%	.50%	.37%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

FROM POINT SOURCES

SOURCE	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
106	.32 .34%	.39 .47%	.32 .31%	.33 .37%	.31 .29%	.32 .26%	.30 .31%	.35 .42%	.41 .50%	.39 .37%
107	.33 .35%	.40 .48%	.32 .32%	.34 .38%	.31 .29%	.32 .26%	.31 .32%	.36 .43%	.42 .51%	.40 .38%
108	.52 .55%	.62 .75%	.51 .50%	.53 .60%	.50 .47%	.51 .42%	.49 .51%	.56 .67%	.65 .79%	.64 .61%
109	.52 .55%	.56 .67%	.52 .51%	.53 .60%	.51 .48%	.52 .43%	.51 .53%	.54 .64%	.56 .68%	.71 .67%
110	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
111	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
112	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
113	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
114	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
115	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
116	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
117	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
118	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
119	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
120	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

FROM POINT SOURCES

SOURCE	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
121	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
122	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
123	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
124	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
125	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
126	.04	.05	.03	.04	.03	.03	.03	.04	.05	.03
	.04%	.06%	.03%	.04%	.03%	.03%	.03%	.05%	.06%	.03%
127	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
128	.06	.08	.06	.06	.06	.06	.06	.07	.08	.06
	.07%	.09%	.06%	.07%	.06%	.05%	.06%	.08%	.10%	.06%
129	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01
	.01%	.02%	.01%	.01%	.01%	.01%	.01%	.02%	.02%	.01%
130	.01	.02	.01	.01	.01	.01	.01	.02	.02	.02
	.01%	.02%	.01%	.02%	.01%	.01%	.01%	.02%	.03%	.01%
131	.02	.03	.02	.02	.02	.02	.02	.02	.03	.02
	.02%	.03%	.02%	.02%	.02%	.02%	.02%	.03%	.03%	.02%
132	.02	.02	.02	.02	.02	.02	.01	.02	.02	.01
	.02%	.02%	.02%	.02%	.02%	.01%	.01%	.02%	.02%	.01%
133	.01	.02	.01	.01	.01	.01	.01	.02	.02	.02
	.01%	.02%	.01%	.02%	.01%	.01%	.01%	.02%	.03%	.01%
134	.01	.02	.01	.01	.01	.01	.01	.01	.02	.01
	.01%	.02%	.01%	.01%	.01%	.01%	.01%	.02%	.02%	.01%
135	.09	.34	.11	.21	.02	.02	.10	.51	.37	.16
	.10%	.41%	.10%	.24%	.02%	.02%	.10%	.62%	.45%	.15%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
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CLEVELAND UNREGULATED 1985 PROJECTIONS

FROM POINT SOURCES

SOURCE	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
136	.33	.50	.27	.57	.07	.11	.25	.82	.51	.26
	.35%	.60%	.26%	.65%	.06%	.09%	.26%	.99%	.61%	.24%
137	2.81	1.68	.86	1.86	1.07	1.46	2.10	.85	1.14	59.22
	2.98%	2.02%	.84%	2.11%	1.00%	1.20%	2.18%	1.03%	1.39%	55.98%
138	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.02%	.01%	.01%	.01%	.01%	.01%	.01%	.02%	.01%
139	.31	.30	.37	.30	.38	.33	.36	.40	.27	.16
	.33%	.36%	.36%	.34%	.35%	.27%	.37%	.48%	.32%	.15%
140	.29	.28	.34	.28	.35	.31	.33	.38	.25	.15
	.30%	.34%	.34%	.32%	.33%	.25%	.34%	.45%	.30%	.14%
141	.07	.06	.07	.07	.07	.07	.07	.07	.06	.06
	.07%	.07%	.07%	.07%	.07%	.06%	.07%	.08%	.08%	.05%
142	.07	.06	.07	.07	.07	.07	.07	.07	.06	.06
	.07%	.07%	.07%	.07%	.07%	.06%	.07%	.08%	.08%	.05%
143	.07	.06	.07	.07	.07	.07	.07	.07	.06	.06
	.07%	.07%	.07%	.07%	.07%	.06%	.07%	.08%	.08%	.05%
144	.07	.06	.07	.07	.07	.07	.07	.07	.06	.06
	.07%	.07%	.07%	.07%	.07%	.06%	.07%	.08%	.08%	.05%
145	.24	.22	.25	.24	.26	.25	.24	.25	.23	.21
	.25%	.27%	.25%	.27%	.24%	.20%	.25%	.30%	.28%	.20%
146	.24	.22	.25	.24	.26	.24	.24	.25	.23	.21
	.25%	.27%	.25%	.27%	.24%	.20%	.25%	.30%	.28%	.20%
147	.52	.49	.55	.52	.55	.53	.52	.54	.51	.46
	.55%	.59%	.54%	.59%	.52%	.44%	.54%	.65%	.62%	.44%
148	.70	.71	.76	.73	.73	.71	.70	.75	.72	.66
	.74%	.85%	.74%	.83%	.68%	.59%	.73%	.90%	.87%	.62%
149	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
150	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

FROM POINT SOURCES

SOURCE	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
151	.03	.02	.03	.03	.03	.03	.02	.03	.02	.02
	.03%	.03%	.03%	.03%	.03%	.02%	.02%	.03%	.03%	.02%
152	.01	.01	.02	.01	.02	.01	.01	.02	.01	.01
	.02%	.02%	.02%	.02%	.01%	.01%	.02%	.02%	.02%	.01%
153	.01	.01	.02	.01	.02	.01	.01	.02	.01	.01
	.02%	.02%	.02%	.02%	.01%	.01%	.02%	.02%	.02%	.01%
154	.01	.01	.02	.01	.02	.01	.01	.02	.01	.01
	.02%	.02%	.02%	.02%	.01%	.01%	.02%	.02%	.02%	.01%
155	.13	.12	.14	.13	.14	.13	.13	.13	.13	.12
	.13%	.15%	.13%	.15%	.13%	.11%	.14%	.16%	.15%	.11%
156	.15	.14	.16	.15	.16	.15	.15	.16	.15	.14
	.16%	.17%	.16%	.17%	.15%	.12%	.16%	.19%	.18%	.13%
157	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
158	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
159	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
160	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
161	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
162	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
163	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
164	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
165	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

FROM POINT SOURCES

SOURCE	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
166	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.01%	.01%	.00%
167	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
168	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
169	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
170	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
171	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
172	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
173	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
174	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.01%	.00%	.00%
175	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
176	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
177	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
178	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
179	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
180	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

FROM POINT SOURCES

SOURCE	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
181	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
182	.33	.32	.39	.32	.40	.35	.38	.43	.29	.17
	.35%	.39%	.38%	.37%	.38%	.29%	.40%	.52%	.35%	.16%
183	.22	.22	.27	.22	.27	.24	.26	.29	.19	.12
	.24%	.26%	.26%	.25%	.26%	.20%	.27%	.35%	.23%	.11%
184	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
185	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
186	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.01%	.00%	.01%	.00%	.00%	.00%	.01%	.01%	.00%
187	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.01%	.00%	.01%	.00%	.00%	.00%	.01%	.01%	.00%
188	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.01%	.00%	.01%	.00%	.00%	.00%	.01%	.01%	.00%
189	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
190	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
191	.01	.02	.01	.02	.01	.01	.01	.02	.02	.01
	.02%	.02%	.01%	.02%	.01%	.01%	.01%	.02%	.02%	.01%

FROM AREA SOURCES

WIND SECTOR	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
N	.41	1.11	4.50	.43	4.50	.21	.18	1.03	1.55	.36
	.43%	1.34%	4.41%	.48%	4.22%	.17%	.19%	1.23%	1.88%	.34%
NNE	.21	.57	2.30	.22	2.30	.11	.09	.53	.79	.18
	.22%	.68%	2.26%	.25%	2.16%	.09%	.10%	.63%	.96%	.17%
NE	.15	.42	1.71	.16	1.71	.08	.07	.39	.59	.13
	.16%	.51%	1.68%	.18%	1.60%	.06%	.07%	.47%	.71%	.13%
ENE	.09	.22	.90	.09	.90	.04	.04	.21	.31	.07
	.09%	.27%	.89%	.10%	.85%	.03%	.04%	.25%	.38%	.07%
E	.10	.27	1.09	.10	1.09	.05	.04	.25	.38	.09
	.10%	.32%	1.07%	.12%	1.02%	.04%	.05%	.30%	.46%	.08%
ESE	.10	.28	1.15	.11	1.15	.05	.05	.26	.40	.09
	.11%	.34%	1.13%	.12%	1.08%	.04%	.05%	.31%	.48%	.09%
SE	.19	.51	2.05	.19	2.05	.09	.08	.47	.71	.16
	.20%	.61%	2.01%	.22%	1.92%	.08%	.09%	.56%	.86%	.15%
SSE	.30	.82	3.31	.31	3.31	.15	.13	.76	1.14	.26
	.32%	.98%	3.25%	.36%	3.10%	.12%	.14%	.91%	1.38%	.25%
S	.62	1.68	6.82	.65	6.82	.31	.27	1.56	2.35	.54
	.65%	2.03%	6.69%	.73%	6.39%	.26%	.29%	1.87%	2.85%	.51%
SSW	.48	1.31	5.29	.50	5.29	.24	.21	1.21	1.82	.42
	.51%	1.57%	5.19%	.57%	4.96%	.20%	.22%	1.45%	2.21%	.39%
SW	.42	1.16	4.69	.44	4.69	.21	.19	1.08	1.62	.37
	.45%	1.40%	4.61%	.50%	4.40%	.18%	.20%	1.29%	1.96%	.35%
WSW	.28	.77	3.12	.30	3.12	.14	.13	.72	1.08	.25
	.30%	.93%	3.06%	.34%	2.93%	.12%	.13%	.86%	1.31%	.23%
W	.19	.52	2.11	.20	2.11	.10	.08	.48	.73	.17
	.20%	.63%	2.07%	.23%	1.97%	.08%	.09%	.58%	.88%	.16%
WNW	.18	.50	2.04	.19	2.04	.09	.08	.47	.70	.16
	.20%	.61%	2.00%	.22%	1.91%	.08%	.09%	.56%	.85%	.15%
NW	.19	.51	2.07	.20	2.07	.09	.08	.48	.72	.16
	.20%	.62%	2.04%	.22%	1.94%	.08%	.09%	.57%	.87%	.15%
NNW	.20	.54	2.20	.21	2.20	.10	.09	.50	.76	.17
	.21%	.65%	2.16%	.24%	2.06%	.08%	.09%	.60%	.92%	.16%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND UNREGULATED 1985 PROJECTIONS

****TOTALS****

WIND SECTOR	RECEPTOR 65	RECEPTOR 71	RECEPTOR 132	RECEPTOR 122	RECEPTOR 214	RECEPTOR 402	RECEPTOR 406	RECEPTOR 136	RECEPTOR 184	RECEPTOR 158
TOTAL	77.3+17.2	65.9+17.2	84.7+17.2	70.9+17.2	89.4+17.2	104.3+17.2	79.0+17.2	66.3+17.2	65.3+17.2	88.6+17.2

@PMD,ED

```
@DELETE,C TOL-CDMHCON.
FURPUR 0026-08/26-19:01

@ASG,A TOLC.

@ASG,AX MODEL-DATA2.

@ASG,A TOL-RPT.

@ASG,A TOL-RAR.

@ASG,A RECEP4.

@ASG,A PUNCHTOL.

@BRKPT PUNCH5/PUNCHTOL

@ASG,A PSBML*TOLCALB.

@USE 13,PSBML*TOLCALB.

@ASG,A PSBML*TOLCALE.

@USE 14,PSBML*TOLCALE.

@ASG,CP TOL-CDMBCON.

@USE 18.,TOL-CDMBCON.

@ASG,A GOMCOM.
FAC WARNING        100000000000

@XQT GOMCDM.CDMECON7-13

@ADD,P PSBML*TOLC.

@ADD,P PSBML*MODEL-DATA2.TOL-METS
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TOLEDO UNREGULATED

CDM

8/27/76

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567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890**SEQ NO. 02
345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890**SEQ NO. 03

   TTTTTTTTTT        00000000        LL                CCCCCCCC          888888          555555555555
  TTTTTTTTTTTT       0000000000      LL                CCCCCCCCCC        88888888        555555555555
      TT           00        00      LL               CC        CC      88      88        55
      TT           00        00      LL               CC        CC      88      88        55
      TT           00        00      LL               CC                 88    88         55
      TT           00        00      LL               CC                  888888          5555555555
      TT           00        00      LL               CC                8888888888        55555555555
      TT           00        00      LL               CC               888      888                55
      TT           00        00      LL               CC        CC      88       88                55
      TT           00        00      LL               CC        CC      888      888       55       55
      TT            0000000000      LLLLLLLLLLLL      CCCCCCCCCC        8888888888        5555555555
      TT             00000000       LLLLLLLLLLLL       CCCCCCCC          88888888          55555555
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Every page

* * * * * * UNIVAC 1110 TIME/SHARING EXEC --- MULTI-PROCESSOR SYSTEM --- VER. 32R002B-405C SITE * E.P.A. * * * * * *

RUNID * TOLC85 USER ID * PART NUMBER * 01 INPUT DEVICE * CR1 OUTPUT DEVICE * DATA0D

FILE NAME * PRINTOL CREATED AT: 19:01:17 AUG 26,1976 PRINTED AT: 14:02:27 AUG 27,1976

CDMI VERSION 76130. RUN 11

THE CENTRAL WIND SPEEDS OF THE SIX WIND SPEED CLASSES (U):

.150000+01 .245872+01 .447040+01 .692912+01 .961136+01 .125171+02

THE EXPONENTIAL OF THE VERTICAL WIND PROFILE BY STABILITY CLASS (UE):

.100000+00 .150000+00 .200000+00 .250000+00 .250000+00 .300000+00

THE INITIAL SIGMA Z FOR AREA SOURCES BY STABILITY CLASS (SZA):

.300000+02 .300000+02 .300000+02 .300000+02 .300000+02 .300000+02

THE CLIMATOLOGICAL MEAN NOCTURNAL AND AFTERNOON MIXING HEIGHTS (HMIN,HT):

.510000+03 .120000+04

THE DAY AND NIGHT EMISSION WEIGHT FACTORS (YD,YN):

.114000+01 .860000+00

THE X-MIN AND Y-MIN OF THE AREA EMISSION INVENTORY GRID (XG,YG):

.255000+03 .456000+04

THE WIDTH OF A BASIC AREA SOURCE SQUARE (TXX):

.100000+04

THE NUMBER OF SUB-SECTORS CONSIDERED IN A 22.5 DEGREE SECTOR, AND ANGULAR WIDTH OF A SUB-SECTOR (DINT,THETA):

.400000+01 .562500+01

THE INITIAL RADIAL INCREMENT (DELR):

.500000+03

THE RADIAL INCREMENT FACTORS (INC):

1 2 4 4

THE RATIO OF EMISSION GRID TO MAP GRID (RAT):

.100000+01

THE GRID CONVERSION FACTOR (CV):

.100000+04

THE AMBIENT AIR TEMPERATURE (TOA):

.283360+03

THE DECAY RATE HALF LIFE FOR P 1 AND P 2 (GB):

.400000+01 .999999+06

INTERCEPTS FOR P 1 AND P 2 (CA):

.138000+02 .000000

SLOPES FOR P 1 AND P 2 (CB AND CC):

.710000+00 .000000 .157000+01 .000000

THE SIGMA Z COEFFICIENT TABLE (a):

.253900-03	.253900-03	.383000-01	.208860+01	.208860+01	.128120+01
.493600-01	.493600-01	.139300+00	.111370+01	.111370+01	.946700+00
.115400+00	.101400+00	.114000+00	.910900+00	.926000+00	.910000+00
.736800+00	.259100+00	.850000-01	.564200+00	.686900+00	.865000+00
.129690+01	.252700+00	.610000-01	.442100+00	.634100+00	.815500+00

COMI VERSION 76130. RUN 11

SECTOR	U1	U2	U3	U4	U5	U6
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 1			
1	.500000-04	.270000-03	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000	.000000	.000000
4	.800000-04	.000000	.000000	.000000	.000000	.000000
5	.110000-03	.140000-03	.000000	.000000	.000000	.000000
6	.170000-03	.700000-04	.000000	.000000	.000000	.000000
7	.500000-04	.270000-03	.000000	.000000	.000000	.000000
8	.400000-04	.210000-03	.000000	.000000	.000000	.000000
9	.160000-03	.410000-03	.000000	.000000	.000000	.000000
10	.600000-04	.340000-03	.000000	.000000	.000000	.000000
11	.400000-04	.210000-03	.000000	.000000	.000000	.000000
12	.800000-04	.000000	.000000	.000000	.000000	.000000
13	.900000-04	.700000-04	.000000	.000000	.000000	.000000
14	.100000-04	.700000-04	.000000	.000000	.000000	.000000
15	.000000	.000000	.000000	.000000	.000000	.000000
16	.100000-04	.700000-04	.000000	.000000	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 2			
1	.770000-03	.680000-03	.750000-03	.000000	.000000	.000000
2	.480000-03	.820000-03	.700000-04	.000000	.000000	.000000
3	.740000-03	.103000-02	.410000-03	.000000	.000000	.000000
4	.700000-03	.750000-03	.123000-02	.000000	.000000	.000000
5	.530000-03	.185000-02	.110000-02	.000000	.000000	.000000
6	.710000-03	.820000-03	.340000-03	.000000	.000000	.000000
7	.260000-03	.270000-03	.620000-03	.000000	.000000	.000000
8	.310000-03	.130000-02	.750000-03	.000000	.000000	.000000
9	.950000-03	.158000-02	.123000-02	.000000	.000000	.000000
10	.720000-03	.151000-02	.110000-02	.000000	.000000	.000000
11	.910000-03	.185000-02	.185000-02	.000000	.000000	.000000
12	.125000-02	.151000-02	.151000-02	.000000	.000000	.000000
13	.750000-03	.116000-02	.103000-02	.000000	.000000	.000000
14	.350000-03	.103000-02	.960000-03	.000000	.000000	.000000
15	.480000-03	.820000-03	.103000-02	.000000	.000000	.000000
16	.630000-03	.820000-03	.340000-03	.000000	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 3			
1	.140000-03	.960000-03	.370000-02	.680000-03	.700000-04	.000000
2	.250000-03	.116000-02	.185000-02	.700000-04	.000000	.000000
3	.620000-03	.103000-02	.171000-02	.270000-03	.000000	.000000
4	.270000-03	.480000-03	.281000-02	.750000-03	.140000-03	.000000
5	.410000-03	.123000-02	.377000-02	.110000-02	.700000-04	.000000
6	.150000-03	.890000-03	.178000-02	.270000-03	.000000	.000000
7	.230000-03	.750000-03	.212000-02	.210000-03	.000000	.000000
8	.320000-03	.110000-02	.226000-02	.140000-03	.000000	.000000
9	.570000-03	.219000-02	.541000-02	.890000-03	.000000	.000000
10	.900000-03	.171000-02	.540000-02	.960000-03	.000000	.000000
11	.800000-03	.137000-02	.740000-02	.110000-02	.210000-03	.000000
12	.890000-03	.158000-02	.603000-02	.144000-02	.700000-04	.140000-03
13	.900000-03	.171000-02	.527000-02	.199000-02	.700000-04	.700000-04
14	.480000-03	.123000-02	.288000-02	.820000-03	.700000-04	.000000
15	.300000-04	.820000-03	.301000-02	.750000-03	.700000-04	.000000
16	.490000-03	.140000-02	.178000-02	.410000-03	.000000	.000000

SECTOR	U1	U2	U3	U4	U5	U6
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 4			
1	.730000-03	.308000-02	.719000-02	.834000-02	.620000-03	.800000-04
2	.720000-03	.218000-02	.502000-02	.193000-02	.290000-03	.000000
3	.500000-03	.218000-02	.473000-02	.366000-02	.330000-03	.200000-03
4	.570000-03	.259000-02	.641000-02	.789000-02	.490000-03	.400000-04
5	.840000-03	.366000-02	.956000-02	.633000-02	.200000-03	.000000
6	.350000-03	.255000-02	.514000-02	.230000-02	.000000	.000000
7	.380000-03	.234000-02	.337000-02	.136000-02	.000000	.000000
8	.640000-03	.230000-02	.477000-02	.296000-02	.800000-04	.000000
9	.880000-03	.587000-02	.124100-01	.838000-02	.200000-03	.000000
10	.560000-03	.477000-02	.102700-01	.108900-01	.330000-03	.000000
11	.450000-03	.444000-02	.130300-01	.179200-01	.148000-02	.250000-03
12	.680000-03	.386000-02	.131900-01	.226900-01	.300000-02	.119000-02
13	.700000-03	.333000-02	.112600-01	.244500-01	.456000-02	.820000-03
14	.310000-03	.181000-02	.740000-02	.153700-01	.164000-02	.370000-03
15	.330000-03	.131000-02	.600000-02	.974000-02	.820000-03	.130000-03
16	.200000-03	.205000-02	.431000-02	.658000-02	.530000-03	.400000-04
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 5			
1	.480000-03	.206000-02	.480000-02	.556000-02	.410000-03	.600000-04
2	.480000-03	.145000-02	.334000-02	.129000-02	.190000-03	.000000
3	.340000-03	.145000-02	.315000-02	.244000-02	.220000-03	.140000-03
4	.380000-03	.173000-02	.427000-02	.526000-02	.330000-03	.300000-04
5	.540000-03	.244000-02	.634000-02	.422000-02	.140000-03	.000000
6	.240000-03	.170000-02	.342000-02	.154000-02	.000000	.000000
7	.240000-03	.159000-02	.225000-02	.900000-03	.000000	.000000
8	.430000-03	.154000-02	.318000-02	.197000-02	.600000-04	.000000
9	.580000-03	.392000-02	.660000-02	.559000-02	.140000-03	.000000
10	.370000-03	.319000-02	.685000-02	.726000-02	.220000-03	.000000
11	.300000-03	.296000-02	.866000-02	.119400-01	.990000-03	.160000-03
12	.450000-03	.258000-02	.880000-02	.151200-01	.200000-02	.800000-03
13	.460000-03	.222000-02	.751000-02	.163000-01	.304000-02	.550000-03
14	.210000-03	.120000-02	.493000-02	.102500-01	.110000-02	.250000-03
15	.220000-03	.880000-03	.400000-02	.649000-02	.550000-03	.800000-04
16	.130000-03	.137000-02	.288000-02	.438000-02	.360000-03	.300000-04
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 6			
1	.401000-02	.733000-02	.432000-02	.000000	.000000	.000000
2	.255000-02	.344000-02	.960000-03	.000000	.000000	.000000
3	.296000-02	.428000-02	.690000-03	.000000	.000000	.000000
4	.441000-02	.527000-02	.151000-02	.000000	.000000	.000000
5	.585000-02	.740000-02	.281000-02	.000000	.000000	.000000
6	.460000-02	.699000-02	.123000-02	.000000	.000000	.000000
7	.475000-02	.452000-02	.550000-03	.000000	.000000	.000000
8	.693000-02	.781000-02	.750000-03	.000000	.000000	.000000
9	.950000-02	.151600-01	.938000-02	.000000	.000000	.000000
10	.599000-02	.104800-01	.432000-02	.000000	.000000	.000000
11	.736000-02	.158200-01	.801000-02	.000000	.000000	.000000
12	.760000-02	.165800-01	.733000-02	.000000	.000000	.000000
13	.871000-02	.139700-01	.603000-02	.000000	.000000	.000000
14	.343000-02	.693000-02	.562000-02	.000000	.000000	.000000
15	.256000-02	.442000-02	.377000-02	.000000	.000000	.000000
		.486000-02	.329000-02			

** SOURCE CONTRIBUTION VERSION OF CDM **

TOLEDO UNREGULATED 1985

TEN MAXIMUM WILL BE SELECTED IN SOURCE CONTRIBUTION

NO STATISTICAL DATA NEEDED

*ADD.P PSAML*TOL-SPT.

CDMI VERSION 78130. RUN 11

SOURCE INPUT ID	X(KM)	Y(KM)	TA(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 1 B001 TOLEDO EDISON HAYSHORE 100% COAL										
P 1	297.30	4618.10	.00	303.900	.000	76.20	3.70	17.61	130.00	.00
SOURCE NO. 2 B002 TOLEDO EDISON HAYSHORE 100% COAL										
P 2	297.30	4618.10	.00	382.800	.000	76.20	3.70	17.61	130.00	.00
SOURCE NO. 3 B003 TOLEDO EDISON HAYSHORE 100% COAL										
P 3	297.30	4618.10	.00	402.000	.000	76.20	3.70	17.52	129.00	.00
SOURCE NO. 4 B004 TOLEDO EDISIN HAYSHORE 100% COAL										
P 4	297.30	4618.10	.00	507.500	.000	76.20	4.30	19.21	128.00	.00
SOURCE NO. 5 B005 TOLEDO EDISON HAYSHORE										
P 5	297.30	4618.10	.00	.350	.000	7.90	3.40	22.81	529.00	.00
SOURCE NO. 6 B001 TOLEDO EDISON ACME 100% OIL										
P 6	290.50	4614.30	.00	39.950	.000	83.80	4.90	5.56	393.00	.00
SOURCE NO. 7 B002 TOLEDO EDISON ACME 100% OIL										
P 7	290.50	4614.30	.00	39.800	.000	83.80	4.90	5.56	393.00	.00
SOURCE NO. 8 B003 TOLEDO EDISON ACME 29% COAL 71% COG										
P 8	290.50	4614.30	.00	250.200	.000	75.00	3.30	14.59	164.00	.00
SOURCE NO. 9 B004 TOLEDO EDISON ACME 61% COAL 29% COG										
P 9	290.50	4614.30	.00	1040.000	.000	90.90	6.70	12.72	208.00	.00
SOURCE NO. 10 B012 STANDARD OIL TOLEDO REFINERY										
P 10	295.70	4616.80	.00	2.530	.000	30.50	2.00	1.37	738.00	.00
SOURCE NO. 11 B014 STANDARD OIL TOLEDO REFINERY										
P 11	295.70	4616.80	.00	55.770	.000	36.60	3.60	2.50	499.00	.00
SOURCE NO. 12 B015 STANDARD OIL TOLEDO REFINERY										
P 12	295.70	4616.80	.00	97.900	.000	36.60	3.60	2.50	499.00	.00
SOURCE NO. 13 B016 STANDARD OIL REFINERY TOLEDO										
P 13	295.70	4616.80	.00	11.110	.000	41.20	1.20	2.02	796.00	.00
SOURCE NO. 14 B017 STANDARD OIL REFINERY TOLEDO										
P 14	295.70	4616.80	.00	16.580	.000	36.60	1.90	1.11	632.00	.00
SOURCE NO. 15 B018 STANDARD OIL TOLEDO REFINERY										
P 15	295.70	4616.80	.00	19.430	.000	35.10	1.90	1.05	624.00	.00
SOURCE NO. 16 B019 STANDARD OIL TOLEDO REFINERY										
P 16	295.70	4616.80	.00	55.170	.000	35.10	2.60	1.95	563.00	.00
SOURCE NO. 17 B020 STANDARD OIL TOLEDO REFINERY										
P 17	295.70	4616.80	.00	56.520	.000	36.90	2.10	1.28	427.00	.00
SOURCE NO. 18 B021 STANDARD OIL REFINERY TOLEDO										
P 18	295.70	4616.80	.00	.290	.000	11.90	.80	1.28	571.00	.00
SOURCE NO. 19 B022 STANDARD OIL TOLEDO REFINERY										
P 19	295.70	4616.80	.00	16.460	.000	36.60	1.30	3.23	724.00	.00
SOURCE NO. 20 B024 STANDARD OIL TOLEDO REFINERY										
P 20	295.70	4616.80	.00	.370	.000	30.48	1.50	1.50	700.00	.00
SOURCE NO. 21 P001										
P 21	295.70	4616.80	.00	115.400	.000	87.20	.20	8.00	149.00	.00
SOURCE NO. 22 P007										
P 22	295.70	4616.80	.00	121.100	.000	76.20	3.40	8.00	204.00	.00
SOURCE NO. 23 P008										
P 23	295.70	4616.80	.00	2.300	.000	45.70	.90	8.00	704.00	.00
SOURCE NO. 24 B001 GULF OIL REFINERY TOLEDO										
P 24	293.10	4616.40	.00	2.790	.000	61.00	3.40	2.31	288.00	.00
SOURCE NO. 25 B002										
P 25	293.10	4616.40	.00	2.790	.000	61.00	3.40	2.31	288.00	.00
SOURCE NO. 26 B003										
P 26	293.10	4616.40	.00	2.790	.000	61.00	3.40	2.31	288.00	.00

COM1 VERSION 76130. RUN 11

SOURCE INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
SOURCE NO. 27 B004										
P 27	293.10	4616.40	.00	2.790	.000	61.00	3.40	2.31	288.00	.00
SOURCE NO. 28 B005										
P 28	293.10	4616.40	.00	9.040	.000	18.30	1.40	9.12	238.00	.00
SOURCE NO. 29 B006										
P 29	293.10	4616.40	.00	9.040	.000	18.30	1.40	9.12	238.00	.00
SOURCE NO. 30 B007										
P 30	293.10	4616.40	.00	20.010	.000	45.70	2.40	14.12	460.00	.00
SOURCE NO. 31 B008										
P 31	293.10	4616.40	.00	2.820	.000	45.70	2.40	14.12	460.00	.00
SOURCE NO. 32 B009										
P 32	293.10	4616.40	.00	9.090	.000	43.60	1.90	9.54	549.00	.00
SOURCE NO. 33 B010										
P 33	293.10	4616.40	.00	2.850	.000	27.20	1.00	6.52	371.00	.00
SOURCE NO. 34 B011										
P 34	293.10	4616.40	.00	.580	.000	25.30	.60	14.36	382.00	.00
SOURCE NO. 35 B012										
P 35	293.10	4616.40	.00	.550	.000	21.30	.80	6.33	427.00	.00
SOURCE NO. 36 B013										
P 36	293.10	4616.40	.00	7.700	.000	20.00	2.40	3.27	427.00	.00
SOURCE NO. 37 B014										
P 37	293.10	4616.40	.00	11.300	.000	20.00	2.40	8.95	566.00	.00
SOURCE NO. 38 B015										
P 38	293.10	4616.40	.00	.010	.000	20.00	1.10	2.50	399.00	.00
SOURCE NO. 39 B016										
P 39	293.10	4616.40	.00	5.610	.000	49.40	2.40	3.10	249.00	.00
SOURCE NO. 40 B017										
P 40	293.10	4616.40	.00	3.280	.000	25.60	1.60	7.24	477.00	.00
SOURCE NO. 41 B018										
P 41	293.10	4616.40	.00	1.950	.000	25.60	1.60	4.27	477.00	.00
SOURCE NO. 42 B019										
P 42	293.10	4616.40	.00	1.790	.000	25.30	1.40	4.74	454.00	.00
SOURCE NO. 43 B020										
P 43	293.10	4616.40	.00	10.050	.000	22.30	1.40	2.55	482.00	.00
SOURCE NO. 44 P003										
P 44	293.10	4616.40	.00	44.060	.000	49.40	2.40	9.93	249.00	.00
SOURCE NO. 45 P005										
P 45	293.10	4616.40	.00	8.320	.000	30.50	.80	2.79	538.00	.00
SOURCE NO. 46 SUN OIL COMPANY TOLEDO REFINERY B001										
P 46	291.50	4611.80	.00	8.350	.000	53.30	2.40	7.41	454.00	.00
SOURCE NO. 47 B004										
P 47	291.50	4611.80	.00	5.350	.000	53.30	2.40	5.30	460.00	.00
SOURCE NO. 48 B006										
P 48	291.50	4611.80	.00	2.270	.000	26.80	1.50	7.76	371.00	.00
SOURCE NO. 49 B007										
P 49	291.50	4611.80	.00	2.270	.000	26.80	1.50	7.76	371.00	.00
SOURCE NO. 50 B008										
P 50	291.50	4611.80	.00	2.270	.000	26.80	1.50	7.76	371.00	.00
SOURCE NO. 51 B009										
P 51	291.50	4611.80	.00	2.270	.000	26.80	1.50	7.76	371.00	.00
SOURCE NO. 52 B010										
P 52	291.50	4611.80	.00	5.700	.000	38.10	1.90	10.85	510.00	.00

CDM1 VERSION 78130. RUN 11

SOURCE INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
SOURCE NO. 53 B011										
P 53	291.50	4611.80	.00	5.100	.000	38.10	1.80	8.98	538.00	.00
SOURCE NO. 54 B029										
P 54	291.50	4611.80	.00	.750	.000	42.70	1.60	7.51	404.00	.00
SOURCE NO. 55 B030										
P 55	291.50	4611.80	.00	3.020	.000	42.70	1.80	7.77	307.00	.00
SOURCE NO. 56 B031										
P 56	291.50	4611.80	.00	3.020	.000	42.70	1.80	7.77	307.00	.00
SOURCE NO. 57 B032										
P 57	291.50	4611.80	.00	2.070	.000	53.30	3.70	6.00	260.00	.00
SOURCE NO. 58 B033										
P 58	291.50	4611.80	.00	3.800	.000	53.30	3.70	6.00	260.00	.00
SOURCE NO. 59 B034										
P 59	291.50	4611.80	.00	1.530	.000	42.70	2.00	7.32	285.00	.00
SOURCE NO. 60 B035										
P 60	291.50	4611.80	.00	.810	.000	42.70	2.00	7.32	285.00	.00
SOURCE NO. 61 B044										
P 61	291.50	4611.80	.00	18.170	.000	39.60	2.90	7.32	199.00	.00
SOURCE NO. 62 P011										
P 62	291.50	4611.80	.00	161.900	.000	75.90	3.00	28.18	232.00	.00
SOURCE NO. 63 TOLEDO EDISON WATER STREET STATION B001										
P 63	289.10	4613.90	.00	.090	.000	62.20	4.80	4.00	288.00	.00
SOURCE NO. 64 B002										
P 64	289.10	4613.90	.00	.370	.000	62.20	4.80	4.00	288.00	.00
SOURCE NO. 65 B003										
P 65	289.10	4613.90	.00	2.620	.000	62.20	4.80	4.00	288.00	.00
SOURCE NO. 66 B004										
P 66	289.10	4613.90	.00	1.490	.000	62.20	4.80	4.00	288.00	.00
SOURCE NO. 67 B005										
P 67	289.10	4613.90	.00	.890	.000	62.20	4.80	4.00	288.00	.00
SOURCE NO. 68 B006										
P 68	289.10	4613.90	.00	10.310	.000	65.20	4.10	3.60	201.00	.00
SOURCE NO. 69 B007										
P 69	289.10	4613.90	.00	9.420	.000	65.20	4.10	3.60	201.00	.00
SOURCE NO. 70 B008										
P 70	289.10	4613.90	.00	34.460	.000	60.40	4.10	1.70	174.00	.00
SOURCE NO. 71 COULTON CHEMICAL TOLEDO B001										
P 71	296.00	4617.80	.00	.060	.000	8.50	.40	9.80	649.00	.00
SOURCE NO. 72 B002										
P 72	296.00	4617.80	.00	.030	.000	6.70	.40	6.51	649.00	.00
SOURCE NO. 73 P001										
P 73	296.00	4617.80	.00	19.700	.000	22.90	1.30	7.21	82.00	138.00
SOURCE NO. 74 P002										
P 74	296.00	4617.80	.00	14.200	.000	12.20	.80	11.54	49.00	82.50
SOURCE NO. 75 PHILLIPS PETROLEUM PHILBLACK PLT B001										
P 75	293.90	4616.70	.00	27.800	.000	41.20	2.30	19.89	454.00	.00
SOURCE NO. 76 B002										
P 76	293.90	4616.70	.00	27.800	.000	41.20	2.30	19.89	454.00	.00
SOURCE NO. 77 B003										
P 77	293.90	4616.70	.00	8.500	.000	41.20	.90	21.13	427.00	.00
SOURCE NO. 78 B004										
P 78	293.90	4616.70	.00	8.500	.000	41.20	.90	21.13	427.00	.00

CDMI VERSION 78130, RUN 11

SOURCE INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 79 B001										
P 79	293.90	4616.70	.00	13.800	.000	41.20	2.30	19.89	454.00	.00
SOURCE NO. 80 AMERICAN MOTORS JEEP CORP B001										
P 80	286.70	4617.60	.00	6.420	.000	68.60	4.30	2.47	177.00	.00
SOURCE NO. 81 B002										
P 81	286.70	4617.60	.00	6.420	.000	68.60	4.30	2.47	177.00	.00
SOURCE NO. 82 B003										
P 82	286.70	4617.60	.00	2.790	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 83 B004										
P 83	286.70	4617.60	.00	2.790	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 84 B005										
P 84	286.70	4617.60	.00	2.160	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 85 B006										
P 85	286.70	4617.60	.00	2.160	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 86 B007										
P 86	286.70	4617.60	.00	2.160	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 87 B008										
P 87	286.70	4617.60	.00	2.160	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 88 B009										
P 88	286.70	4617.60	.00	2.620	.000	62.50	2.60	2.24	177.00	.00
SOURCE NO. 89 B010										
P 89	286.70	4617.60	.00	2.620	.000	62.50	2.60	2.24	177.00	.00
SOURCE NO. 90 TOLEDO MENTAL HOSPITAL B001										
P 90	283.10	4610.60	.00	5.240	.000	27.40	1.10	12.30	260.00	.00
SOURCE NO. 91 B002										
P 91	283.10	4610.60	.00	10.510	.000	27.40	1.50	1.02	260.00	.00
SOURCE NO. 92 B003										
P 92	283.10	4610.60	.00	10.510	.000	27.40	1.50	1.02	260.00	.00
SOURCE NO. 93 INTERLAKE B001										
P 93	292.80	4616.10	.00	2.710	.000	36.60	3.10	9.82	204.00	.00
SOURCE NO. 94 B002										
P 94	292.80	4616.10	.00	2.710	.000	36.60	3.10	9.82	204.00	.00
SOURCE NO. 95 B003										
P 95	292.80	4616.10	.00	2.710	.000	36.60	3.10	9.82	204.00	.00
SOURCE NO. 96 B003										
P 96	292.80	4616.10	.00	1.700	.000	61.00	2.30	10.00	204.00	.00
SOURCE NO. 97 N001										
P 97	288.20	4615.20	.00	.060	.000	19.80	1.50	2.34	71.00	.00
SOURCE NO. 98 ALLIED CHEMICAL PLASTICS DIVISION B001										
P 98	282.20	4609.70	.00	.780	.000	45.70	2.10	1.02	288.00	.00
SOURCE NO. 99 B002										
P 99	282.20	4609.70	.00	.780	.000	45.70	2.10	1.02	288.00	.00
SOURCE NO. 100 B003										
P 100	282.20	4609.70	.00	3.650	.000	45.70	2.10	1.02	288.00	.00
SOURCE NO. 101 GENERAL MILLS B001										
P 101	285.80	4620.50	.00	1.240	.000	12.20	1.00	2.97	232.00	.00
SOURCE NO. 102 B002										
P 102	285.80	4620.50	.00	1.240	.000	12.20	1.00	2.97	232.00	.00
SOURCE NO. 103 B003										
P 103	285.80	4620.50	.00	1.240	.000	12.20	1.00	2.97	232.00	.00
SOURCE NO. 104 DUEHLER-JAVIS DIVISION B001										
P 104	288.80	4620.90	.00	.200	.000	34.70	1.80	5.00	310.00	.00

SOURCE ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
SOURCE NO. 105 B002										
P 105	288.80	4620.90	.00	.260	.000	34.70	1.80	5.00	310.00	.00
SOURCE NO. 106 B003										
P 106	288.80	4620.90	.00	1.090	.000	15.20	.90	5.00	327.00	.00
SOURCE NO. 107 B004										
P 107	288.80	4620.90	.00	1.240	.000	15.20	.80	5.00	292.00	.00
SOURCE NO. 108 AMERICAN MOTORS JEEP CORP B001										
P 108	290.00	4620.50	.00	1.040	.000	65.50	2.40	2.40	177.00	.00
SOURCE NO. 109 B002										
P 109	290.00	4620.50	.00	1.040	.000	65.50	2.40	2.40	177.00	.00
SOURCE NO. 110 TOLEDO HOSPITAL B001										
P 110	283.90	4616.50	.00	.750	.000	53.30	1.80	3.00	177.00	.00
SOURCE NO. 111 B002										
P 111	283.90	4616.50	.00	.750	.000	53.30	1.80	3.00	177.00	.00
SOURCE NO. 112 B003										
P 112	283.90	4616.50	.00	.290	.000	53.30	1.80	3.00	177.00	.00
SOURCE NO. 113 CITY AUTO STAMPING B001										
P 113	288.60	4620.50	.00	.490	.000	41.20	1.90	3.00	177.00	.00
SOURCE NO. 114 B002										
P 114	288.60	4620.50	.00	.490	.000	41.20	1.90	3.00	177.00	.00
SOURCE NO. 115 B003										
P 115	288.60	4620.50	.00	.490	.000	41.20	1.90	3.00	177.00	.00
SOURCE NO. 116 MERCY HOSPITAL B001										
P 116	287.50	4614.80	.00	.430	.000	30.50	2.00	4.00	177.00	.00
SOURCE NO. 117 B002										
P 117	287.50	4614.80	.00	.430	.000	30.50	2.00	4.00	177.00	.00
SOURCE NO. 118 B003										
P 118	287.50	4614.80	.00	.430	.000	30.50	2.00	4.00	177.00	.00
SOURCE NO. 119 NABISCO INC FLOUR MILL B001										
P 119	292.20	4615.60	.00	.060	.000	41.20	2.10	4.00	191.00	.00
SOURCE NO. 120 B002										
P 120	292.20	4615.60	.00	.060	.000	41.20	2.10	4.00	191.00	.00
SOURCE NO. 121 B003										
P 121	292.20	4615.60	.00	.060	.000	41.20	2.10	4.00	191.00	.00
SOURCE NO. 122 B004										
P 122	292.20	4615.60	.00	.060	.000	41.20	2.10	4.00	191.00	.00
SOURCE NO. 123 NORTHERN OIL ASPHALT P001										
P 123	272.20	4618.60	.00	.230	.000	15.20	2.70	4.00	82.00	.00
SOURCE NO. 124 SENENCA PETROLEUM B001										
P 124	290.70	4611.80	.00	.160	.000	9.10	.60	4.00	427.00	.00
SOURCE NO. 125 BOWLING GREEN STATE UNIV										
P 125	282.00	4587.40	.00	33.200	.000	30.48	2.00	10.00	177.00	.00
SOURCE NO. 126 CONSOL PACKING 1921 E FIRST ST MONROE MICH										
P 126	302.00	4638.00	.00	65.630	.000	28.96	2.57	5.00	232.00	.00
SOURCE NO. 127 J R WHITING PLANT 4525 ERIE RD LUNA PIER										
P 127	297.50	4631.00	.00	126.370	.000	90.53	3.35	5.00	135.00	.00
SOURCE NO. 128 J R WHITING										
P 128	297.50	4631.00	.00	126.370	.000	90.53	3.35	5.00	135.00	.00
SOURCE NO. 129 J R WHITING										
P 129	297.50	4631.00	.00	126.370	.000	90.53	3.61	5.00	135.00	.00
SOURCE NO. 130 MONROE MFG 3200 EAST ELM MONROE MICH										
P 130	300.00	4638.20	.00	15.480	.000	62.18	3.05	5.00	177.00	.00

CDMI VERSION 76130. RUN 11

SOURCE INPUT ID	X(KM)	Y(KM)	TA(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
SOURCE NO. 131	MONROE POWER PLANT 3500 E FRONT ST MONROE MICH									
P 131	303.00	4638.20	.00	2784.500	.000	243.84	8.53	9.10	116.00	.00
SOURCE NO. 132	MONROE P P									
P 132	303.00	4638.20	.00	2784.500	.000	243.84	8.53	9.10	116.00	.00
SOURCE NO. 133	UNION CAMP 1109 EAST ELM AVE MONROE MICH									
P 133	301.50	4637.00	.00	42.420	.000	44.50	1.98	5.00	196.00	.00
SOURCE NO. 134	SUN OIL COMPANY CRACKING UNITS 8037									
P 134	291.50	4611.80	.00	3.020	.000	45.72	2.13	11.06	319.00	.00
SOURCE NO. 135	8038									
P 135	291.50	4611.80	.00	3.020	.000	45.72	2.13	11.06	319.00	.00
SOURCE NO. 136	8039									
P 136	291.50	4611.80	.00	3.020	.000	45.72	2.13	11.06	319.00	.00
SOURCE NO. 137	8040									
P 137	291.50	4611.80	.00	3.790	.000	45.72	2.13	11.06	319.00	.00
SOURCE NO. 138	8041									
P 138	291.50	4611.80	.00	10.620	.000	16.00	1.22	15.12	338.00	.00
SOURCE NO. 139	8042									
P 139	291.50	4611.80	.00	12.890	.000	16.67	1.22	22.23	379.00	.00
SOURCE NO. 140	LIBEY OWENS FORD, 8001-2									
P 140	291.00	4610.00	.00	1.000	.000	83.80	2.10	5.30	234.00	.00
SOURCE NO. 141	LIBEY OWENS FORD ?, 8003									
P 141	291.00	4610.00	.00	1.000	.000	54.90	2.40	5.30	234.00	.00
SOURCE NO. 142	LIBEY OWENS FORD ?, BOILER D									
P 142	286.90	4609.80	.00	5.520	.000	27.00	2.59	1.40	234.00	.00
SOURCE NO. 143	LIBEY OWENS FORD ?, BOILER E									
P 143	286.90	4609.80	.00	7.940	.000	27.20	2.59	1.60	177.00	.00
SOURCE NO. 144	LIBEY OWENS FORD ?, BOILER F									
P 144	286.90	4609.80	.00	9.170	.000	29.90	2.44	1.80	235.00	.00

#ADD,P PSBML*TOL-BAR.

CD4I VERSION 78130. RUN 11

SOURCE ID	INPUT	X(KM)	Y(KM)	TA(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A	2	255.00	4590.00	10000.00	1.500	.000	20.00	.00	.00	.00	.00
A	3	255.00	4600.00	10000.00	2.320	.000	20.00	.00	.00	.00	.00
A	4	260.00	4560.00	10000.00	.570	.000	20.00	.00	.00	.00	.00
A	5	260.00	4570.00	10000.00	.770	.000	20.00	.00	.00	.00	.00
A	6	260.00	4580.00	5000.00	.390	.000	20.00	.00	.00	.00	.00
A	7	260.00	4585.00	2500.00	.360	.000	20.00	.00	.00	.00	.00
A	8	260.00	4587.50	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	9	260.00	4610.00	5000.00	.900	.000	20.00	.00	.00	.00	.00
A	10	260.00	4615.00	5000.00	.930	.000	20.00	.00	.00	.00	.00
A	11	260.00	4620.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	12	262.50	4620.00	2500.00	.260	.000	20.00	.00	.00	.00	.00
A	13	265.00	4580.00	5000.00	.760	.000	20.00	.00	.00	.00	.00
A	14	265.00	4590.00	5000.00	.070	.000	20.00	.00	.00	.00	.00
A	15	265.00	4595.00	5000.00	2.100	.000	20.00	.00	.00	.00	.00
A	16	265.00	4600.00	5000.00	.070	.000	20.00	.00	.00	.00	.00
A	17	265.00	4605.00	5000.00	1.890	.000	20.00	.00	.00	.00	.00
A	18	265.00	4610.00	5000.00	2.710	.000	20.00	.00	.00	.00	.00
A	19	265.00	4615.00	5000.00	.370	.000	20.00	.00	.00	.00	.00
A	20	265.00	4620.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	21	267.50	4620.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	22	270.00	4560.00	10000.00	2.260	.000	20.00	.00	.00	.00	.00
A	23	270.00	4570.00	10000.00	1.500	.000	20.00	.00	.00	.00	.00
A	24	270.00	4580.00	5000.00	.300	.000	20.00	.00	.00	.00	.00
A	25	270.00	4585.00	5000.00	.270	.000	20.00	.00	.00	.00	.00
A	26	270.00	4590.00	5000.00	.860	.000	20.00	.00	.00	.00	.00
A	27	270.00	4595.00	5000.00	2.350	.000	20.00	.00	.00	.00	.00
A	28	270.00	4600.00	5000.00	.620	.000	20.00	.00	.00	.00	.00
A	29	270.00	4605.00	5000.00	.860	.000	20.00	.00	.00	.00	.00
A	30	270.00	4610.00	5000.00	2.830	.000	20.00	.00	.00	.00	.00
A	31	270.00	4615.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	32	270.00	4617.50	2500.00	1.060	.000	20.00	.00	.00	.00	.00
A	33	270.00	4620.00	3000.00	.280	.000	20.00	.00	.00	.00	.00
A	34	270.00	4623.00	2000.00	.060	.000	20.00	.00	.00	.00	.00
A	35	270.00	4625.00	5000.00	.150	.000	20.00	.00	.00	.00	.00
A	36	270.00	4630.00	5000.00	.590	.000	20.00	.00	.00	.00	.00
A	37	270.00	4635.00	10000.00	1.900	.000	20.00	.00	.00	.00	.00
A	38	270.00	4645.00	10000.00	1.980	.000	20.00	.00	.00	.00	.00
A	39	270.00	4655.00	10000.00	1.430	.000	20.00	.00	.00	.00	.00
A	40	272.00	4623.00	2000.00	.060	.000	20.00	.00	.00	.00	.00
A	41	272.50	4615.00	2500.00	.480	.000	20.00	.00	.00	.00	.00
A	42	272.50	4617.50	2500.00	1.900	.000	20.00	.00	.00	.00	.00
A	43	273.00	4620.00	3000.00	5.260	.000	20.00	.00	.00	.00	.00
A	44	274.00	4623.00	2000.00	.060	.000	20.00	.00	.00	.00	.00
A	45	275.00	4583.00	2000.00	.350	.000	20.00	.00	.00	.00	.00
A	46	275.00	4585.00	2500.00	1.520	.000	20.00	.00	.00	.00	.00
A	47	275.00	4590.00	5000.00	.560	.000	20.00	.00	.00	.00	.00
A	48	275.00	4595.00	5000.00	.610	.000	20.00	.00	.00	.00	.00
A	49	275.00	4600.00	2000.00	.190	.000	20.00	.00	.00	.00	.00
A	50	275.00	4603.00	2000.00	.200	.000	20.00	.00	.00	.00	.00
A	51	275.00	4605.00	3000.00	.240	.000	20.00	.00	.00	.00	.00
A	52	275.00	4608.00	2000.00	.380	.000	20.00	.00	.00	.00	.00

CDMI VERSION 76130. RUN 11

SOURCE	INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	53	275.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	54	275.00	4611.00	1000.00	.730	.000	20.00	.00	.00	.00	.00
A	55	275.00	4612.00	1000.00	1.080	.000	20.00	.00	.00	.00	.00
A	56	275.00	4613.00	1000.00	.940	.000	20.00	.00	.00	.00	.00
A	57	275.00	4614.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	58	275.00	4615.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	59	275.00	4616.00	1000.00	.610	.000	20.00	.00	.00	.00	.00
A	60	275.00	4617.00	3000.00	3.350	.000	20.00	.00	.00	.00	.00
A	61	275.00	4625.00	5000.00	.930	.000	20.00	.00	.00	.00	.00
A	62	275.00	4630.00	5000.00	.150	.000	20.00	.00	.00	.00	.00
A	63	276.00	4582.00	1000.00	.500	.000	20.00	.00	.00	.00	.00
A	64	276.00	4610.00	1000.00	.170	.000	20.00	.00	.00	.00	.00
A	65	276.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	66	276.00	4612.00	1000.00	.820	.000	20.00	.00	.00	.00	.00
A	67	276.00	4613.00	1000.00	.820	.000	20.00	.00	.00	.00	.00
A	68	276.00	4614.00	1000.00	1.210	.000	20.00	.00	.00	.00	.00
A	69	276.00	4615.00	1000.00	1.630	.000	20.00	.00	.00	.00	.00
A	70	276.00	4616.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	71	276.00	4620.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	72	276.00	4621.00	2000.00	2.960	.000	20.00	.00	.00	.00	.00
A	73	276.00	4623.00	2000.00	.390	.000	20.00	.00	.00	.00	.00
A	74	277.00	4583.00	1000.00	1.020	.000	20.00	.00	.00	.00	.00
A	75	277.00	4584.00	1000.00	.850	.000	20.00	.00	.00	.00	.00
A	76	277.00	4600.00	3000.00	.430	.000	20.00	.00	.00	.00	.00
A	77	277.00	4603.00	1000.00	.190	.000	20.00	.00	.00	.00	.00
A	78	277.00	4604.00	1000.00	.490	.000	20.00	.00	.00	.00	.00
A	79	277.00	4608.00	2000.00	1.310	.000	20.00	.00	.00	.00	.00
A	80	277.00	4610.00	1000.00	.430	.000	20.00	.00	.00	.00	.00
A	81	277.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	82	277.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	83	277.00	4613.00	1000.00	.870	.000	20.00	.00	.00	.00	.00
A	84	277.00	4614.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	85	277.00	4615.00	1000.00	1.700	.000	20.00	.00	.00	.00	.00
A	86	277.00	4616.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	87	277.00	4620.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	88	277.50	4585.00	2500.00	2.370	.000	20.00	.00	.00	.00	.00
A	89	277.50	4587.50	2500.00	.210	.000	20.00	.00	.00	.00	.00
A	90	278.00	4582.00	1000.00	.510	.000	20.00	.00	.00	.00	.00
A	91	278.00	4583.00	1000.00	5.770	.000	20.00	.00	.00	.00	.00
A	92	278.00	4604.00	2000.00	2.740	.000	20.00	.00	.00	.00	.00
A	93	278.00	4606.00	2000.00	2.740	.000	20.00	.00	.00	.00	.00
A	94	278.00	4610.00	1000.00	.620	.000	20.00	.00	.00	.00	.00
A	95	278.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	96	278.00	4612.00	1000.00	.620	.000	20.00	.00	.00	.00	.00
A	97	278.00	4613.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	98	278.00	4614.00	1000.00	1.230	.000	20.00	.00	.00	.00	.00
A	99	278.00	4615.00	1000.00	.630	.000	20.00	.00	.00	.00	.00
A	100	278.00	4616.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	101	278.00	4617.00	1000.00	.170	.000	20.00	.00	.00	.00	.00
A	102	278.00	4618.00	1000.00	2.170	.000	20.00	.00	.00	.00	.00
A	103	278.00	4619.00	1000.00	2.020	.000	20.00	.00	.00	.00	.00

CDMI VERSION 76130. RUN 11

SOURCE	INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A	104	278.00	4620.00	1000.00	.870	.000	20.00	.00	.00	.00	.00
A	105	278.00	4621.00	1000.00	.270	.000	20.00	.00	.00	.00	.00
A	106	278.00	4622.00	1000.00	.490	.000	20.00	.00	.00	.00	.00
A	107	278.00	4623.00	2000.00	.590	.000	20.00	.00	.00	.00	.00
A	108	279.00	4582.00	1000.00	.200	.000	20.00	.00	.00	.00	.00
A	109	279.00	4584.00	1000.00	.560	.000	20.00	.00	.00	.00	.00
A	110	279.00	4603.00	1000.00	1.930	.000	20.00	.00	.00	.00	.00
A	111	279.00	4604.00	2000.00	3.100	.000	20.00	.00	.00	.00	.00
A	112	279.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	113	279.00	4611.00	1000.00	.770	.000	20.00	.00	.00	.00	.00
A	114	279.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	115	279.00	4613.00	1000.00	.360	.000	20.00	.00	.00	.00	.00
A	116	279.00	4614.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	117	279.00	4615.00	1000.00	1.130	.000	20.00	.00	.00	.00	.00
A	118	279.00	4616.00	1000.00	.980	.000	20.00	.00	.00	.00	.00
A	119	279.00	4617.00	1000.00	.690	.000	20.00	.00	.00	.00	.00
A	120	279.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	121	279.00	4619.00	1000.00	1.250	.000	20.00	.00	.00	.00	.00
A	122	279.00	4620.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	123	279.00	4621.00	1000.00	.790	.000	20.00	.00	.00	.00	.00
A	124	279.00	4622.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	125	280.00	4560.00	10000.00	1.060	.000	20.00	.00	.00	.00	.00
A	126	280.00	4570.00	10000.00	.890	.000	20.00	.00	.00	.00	.00
A	127	280.00	4580.00	10000.00	.410	.000	20.00	.00	.00	.00	.00
A	128	280.00	4590.00	10000.00	1.750	.000	20.00	.00	.00	.00	.00
A	129	280.00	4600.00	5000.00	5.180	.000	20.00	.00	.00	.00	.00
A	130	280.00	4605.00	1000.00	.550	.000	20.00	.00	.00	.00	.00
A	131	280.00	4606.00	2000.00	5.730	.000	20.00	.00	.00	.00	.00
A	132	280.00	4610.00	1000.00	.570	.000	20.00	.00	.00	.00	.00
A	133	280.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	134	280.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	135	280.00	4613.00	1000.00	1.980	.000	20.00	.00	.00	.00	.00
A	136	280.00	4614.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	137	280.00	4615.00	1000.00	.900	.000	20.00	.00	.00	.00	.00
A	138	280.00	4616.00	1000.00	1.390	.000	20.00	.00	.00	.00	.00
A	139	280.00	4617.00	1000.00	.690	.000	20.00	.00	.00	.00	.00
A	140	280.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	141	280.00	4619.00	1000.00	2.990	.000	20.00	.00	.00	.00	.00
A	142	280.00	4620.00	1000.00	.780	.000	20.00	.00	.00	.00	.00
A	143	280.00	4621.00	1000.00	2.180	.000	20.00	.00	.00	.00	.00
A	144	280.00	4622.00	1000.00	1.670	.000	20.00	.00	.00	.00	.00
A	145	280.00	4623.00	1000.00	.380	.000	20.00	.00	.00	.00	.00
A	146	280.00	4624.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A	147	280.00	4625.00	5000.00	2.670	.000	20.00	.00	.00	.00	.00
A	148	280.00	4630.00	5000.00	.910	.000	20.00	.00	.00	.00	.00
A	149	280.00	4635.00	10000.00	1.690	.000	20.00	.00	.00	.00	.00
A	150	280.00	4645.00	10000.00	1.780	.000	20.00	.00	.00	.00	.00
A	151	280.00	4655.00	10000.00	1.060	.000	20.00	.00	.00	.00	.00
A	152	281.00	4605.00	1000.00	1.400	.000	20.00	.00	.00	.00	.00
A	153	281.00	4608.00	2000.00	6.600	.000	20.00	.00	.00	.00	.00
A	154	281.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00

CDMI VERSION 70130, RUN 11

SOURCE INPUT ID		X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A	155	281.00	4611.00	1000.00	.330	.000	20.00	.00	.00	.00	.00
A	156	281.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	157	281.00	4613.00	1000.00	.780	.000	20.00	.00	.00	.00	.00
A	158	281.00	4614.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	159	281.00	4615.00	1000.00	1.170	.000	20.00	.00	.00	.00	.00
A	160	281.00	4616.00	1000.00	.830	.000	20.00	.00	.00	.00	.00
A	161	281.00	4617.00	1000.00	1.110	.000	20.00	.00	.00	.00	.00
A	162	281.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	163	281.00	4619.00	1000.00	.900	.000	20.00	.00	.00	.00	.00
A	164	281.00	4620.00	1000.00	1.870	.000	20.00	.00	.00	.00	.00
A	165	281.00	4621.00	1000.00	.430	.000	20.00	.00	.00	.00	.00
A	166	281.00	4622.00	1000.00	1.140	.000	20.00	.00	.00	.00	.00
A	167	281.00	4623.00	1000.00	.290	.000	20.00	.00	.00	.00	.00
A	168	281.00	4624.00	1000.00	1.530	.000	20.00	.00	.00	.00	.00
A	169	282.00	4605.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	170	282.00	4606.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	171	282.00	4607.00	1000.00	1.280	.000	20.00	.00	.00	.00	.00
A	172	282.00	4610.00	1000.00	1.580	.000	20.00	.00	.00	.00	.00
A	173	282.00	4611.00	1000.00	.940	.000	20.00	.00	.00	.00	.00
A	174	282.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	175	282.00	4613.00	1000.00	1.850	.000	20.00	.00	.00	.00	.00
A	176	282.00	4614.00	1000.00	1.150	.000	20.00	.00	.00	.00	.00
A	177	282.00	4615.00	1000.00	1.420	.000	20.00	.00	.00	.00	.00
A	178	282.00	4616.00	1000.00	2.410	.000	20.00	.00	.00	.00	.00
A	179	282.00	4617.00	1000.00	2.270	.000	20.00	.00	.00	.00	.00
A	180	282.00	4618.00	1000.00	2.300	.000	20.00	.00	.00	.00	.00
A	181	282.00	4619.00	1000.00	1.820	.000	20.00	.00	.00	.00	.00
A	182	282.00	4620.00	1000.00	1.570	.000	20.00	.00	.00	.00	.00
A	183	282.00	4621.00	1000.00	.870	.000	20.00	.00	.00	.00	.00
A	184	282.00	4622.00	1000.00	1.420	.000	20.00	.00	.00	.00	.00
A	185	282.00	4623.00	2000.00	.380	.000	20.00	.00	.00	.00	.00
A	186	283.00	4605.00	2000.00	.400	.000	20.00	.00	.00	.00	.00
A	187	283.00	4607.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	188	283.00	4608.00	2000.00	3.360	.000	20.00	.00	.00	.00	.00
A	189	283.00	4610.00	1000.00	.430	.000	20.00	.00	.00	.00	.00
A	190	283.00	4611.00	1000.00	2.060	.000	20.00	.00	.00	.00	.00
A	191	283.00	4612.00	1000.00	.480	.000	20.00	.00	.00	.00	.00
A	192	283.00	4613.00	1000.00	.620	.000	20.00	.00	.00	.00	.00
A	193	283.00	4614.00	1000.00	1.950	.000	20.00	.00	.00	.00	.00
A	194	283.00	4615.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	195	283.00	4616.00	1000.00	2.240	.000	20.00	.00	.00	.00	.00
A	196	283.00	4617.00	1000.00	1.740	.000	20.00	.00	.00	.00	.00
A	197	283.00	4618.00	1000.00	2.900	.000	20.00	.00	.00	.00	.00
A	198	283.00	4619.00	1000.00	3.400	.000	20.00	.00	.00	.00	.00
A	199	283.00	4620.00	1000.00	2.450	.000	20.00	.00	.00	.00	.00
A	200	283.00	4621.00	1000.00	1.210	.000	20.00	.00	.00	.00	.00
A	201	283.00	4622.00	1000.00	1.410	.000	20.00	.00	.00	.00	.00
A	202	284.00	4610.00	1000.00	1.480	.000	20.00	.00	.00	.00	.00
A	203	284.00	4611.00	1000.00	2.670	.000	20.00	.00	.00	.00	.00
A	204	284.00	4612.00	1000.00	1.090	.000	20.00	.00	.00	.00	.00
A	205	284.00	4613.00	1000.00	.940	.000	20.00	.00	.00	.00	.00

COAI VERSION 78130. RUN 11

SOURCE INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A 206	284.00	4614.00	1000.00	4.150	.000	20.00	.00	.00	.00	.00
A 207	284.00	4615.00	1000.00	2.770	.000	20.00	.00	.00	.00	.00
A 208	284.00	4616.00	1000.00	1.550	.000	20.00	.00	.00	.00	.00
A 209	284.00	4617.00	1000.00	2.200	.000	20.00	.00	.00	.00	.00
A 210	284.00	4618.00	1000.00	1.870	.000	20.00	.00	.00	.00	.00
A 211	284.00	4619.00	1000.00	.820	.000	20.00	.00	.00	.00	.00
A 212	284.00	4620.00	1000.00	1.280	.000	20.00	.00	.00	.00	.00
A 213	284.00	4621.00	2000.00	2.300	.000	20.00	.00	.00	.00	.00
A 214	284.00	4623.00	1000.00	1.110	.000	20.00	.00	.00	.00	.00
A 215	284.00	4624.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 216	285.00	4607.00	1000.00	.650	.000	20.00	.00	.00	.00	.00
A 217	285.00	4608.00	2000.00	2.640	.000	20.00	.00	.00	.00	.00
A 218	285.00	4610.00	1000.00	1.040	.000	20.00	.00	.00	.00	.00
A 219	285.00	4611.00	1000.00	1.420	.000	20.00	.00	.00	.00	.00
A 220	285.00	4612.00	1000.00	1.840	.000	20.00	.00	.00	.00	.00
A 221	285.00	4613.00	1000.00	4.160	.000	20.00	.00	.00	.00	.00
A 222	285.00	4614.00	1000.00	3.720	.000	20.00	.00	.00	.00	.00
A 223	285.00	4615.00	1000.00	1.750	.000	20.00	.00	.00	.00	.00
A 224	285.00	4616.00	1000.00	1.420	.000	20.00	.00	.00	.00	.00
A 225	285.00	4617.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A 226	285.00	4618.00	1000.00	4.340	.000	20.00	.00	.00	.00	.00
A 227	285.00	4619.00	1000.00	4.980	.000	20.00	.00	.00	.00	.00
A 228	285.00	4620.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A 229	285.00	4623.00	1000.00	.290	.000	20.00	.00	.00	.00	.00
A 230	285.00	4624.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 231	285.00	4625.00	5000.00	2.290	.000	20.00	.00	.00	.00	.00
A 232	285.00	4630.00	5000.00	.750	.000	20.00	.00	.00	.00	.00
A 233	286.00	4605.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A 234	286.00	4607.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A 235	286.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A 236	286.00	4611.00	1000.00	3.970	.000	20.00	.00	.00	.00	.00
A 237	286.00	4612.00	1000.00	1.060	.000	20.00	.00	.00	.00	.00
A 238	286.00	4613.00	1000.00	5.120	.000	20.00	.00	.00	.00	.00
A 239	286.00	4614.00	1000.00	4.330	.000	20.00	.00	.00	.00	.00
A 240	286.00	4615.00	1000.00	2.560	.000	20.00	.00	.00	.00	.00
A 241	286.00	4616.00	1000.00	2.800	.000	20.00	.00	.00	.00	.00
A 242	286.00	4617.00	1000.00	1.190	.000	20.00	.00	.00	.00	.00
A 243	286.00	4618.00	1000.00	2.160	.000	20.00	.00	.00	.00	.00
A 244	286.00	4619.00	1000.00	2.600	.000	20.00	.00	.00	.00	.00
A 245	286.00	4620.00	1000.00	1.140	.000	20.00	.00	.00	.00	.00
A 246	286.00	4621.00	2000.00	2.440	.000	20.00	.00	.00	.00	.00
A 247	286.00	4623.00	2000.00	.060	.000	20.00	.00	.00	.00	.00
A 248	287.00	4608.00	2000.00	1.600	.000	20.00	.00	.00	.00	.00
A 249	287.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A 250	287.00	4611.00	1000.00	3.410	.000	20.00	.00	.00	.00	.00
A 251	287.00	4612.00	1000.00	2.450	.000	20.00	.00	.00	.00	.00
A 252	287.00	4613.00	1000.00	1.820	.000	20.00	.00	.00	.00	.00
A 253	287.00	4614.00	1000.00	2.810	.000	20.00	.00	.00	.00	.00
A 254	287.00	4615.00	1000.00	4.070	.000	20.00	.00	.00	.00	.00
A 255	287.00	4616.00	1000.00	5.100	.000	20.00	.00	.00	.00	.00
A 256	287.00	4617.00	1000.00	3.700	.000	20.00	.00	.00	.00	.00

CDMI VERSION 78130. RUN 11

SOURCE	INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A	257	287.00	4618.00	1000.00	1.410	.000	20.00	.00	.00	.00	.00
A	258	287.00	4619.00	1000.00	2.370	.000	20.00	.00	.00	.00	.00
A	259	287.00	4620.00	1000.00	1.190	.000	20.00	.00	.00	.00	.00
A	260	288.00	4605.00	2000.00	.260	.000	20.00	.00	.00	.00	.00
A	261	288.00	4607.00	1000.00	.390	.000	20.00	.00	.00	.00	.00
A	262	288.00	4610.00	1000.00	.470	.000	20.00	.00	.00	.00	.00
A	263	288.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	264	288.00	4612.00	1000.00	1.400	.000	20.00	.00	.00	.00	.00
A	265	288.00	4613.00	1000.00	.210	.000	20.00	.00	.00	.00	.00
A	266	288.00	4614.00	1000.00	1.720	.000	20.00	.00	.00	.00	.00
A	267	288.00	4615.00	1000.00	4.180	.000	20.00	.00	.00	.00	.00
A	268	288.00	4616.00	1000.00	2.670	.000	20.00	.00	.00	.00	.00
A	269	288.00	4617.00	1000.00	3.870	.000	20.00	.00	.00	.00	.00
A	270	288.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	271	288.00	4619.00	4000.00	3.100	.000	20.00	.00	.00	.00	.00
A	272	288.00	4623.00	2000.00	.760	.000	20.00	.00	.00	.00	.00
A	273	289.00	4610.00	1000.00	1.630	.000	20.00	.00	.00	.00	.00
A	274	289.00	4611.00	1000.00	1.350	.000	20.00	.00	.00	.00	.00
A	275	289.00	4612.00	1000.00	3.000	.000	20.00	.00	.00	.00	.00
A	276	289.00	4613.00	1000.00	.910	.000	20.00	.00	.00	.00	.00
A	277	289.00	4614.00	1000.00	1.980	.000	20.00	.00	.00	.00	.00
A	278	289.00	4615.00	1000.00	2.200	.000	20.00	.00	.00	.00	.00
A	279	289.00	4616.00	1000.00	3.860	.000	20.00	.00	.00	.00	.00
A	280	289.00	4617.00	1000.00	2.400	.000	20.00	.00	.00	.00	.00
A	281	289.00	4618.00	1000.00	.470	.000	20.00	.00	.00	.00	.00
A	282	290.00	4550.00	10000.00	1.350	.000	20.00	.00	.00	.00	.00
A	283	290.00	4570.00	10000.00	2.640	.000	20.00	.00	.00	.00	.00
A	284	290.00	4580.00	10000.00	1.410	.000	20.00	.00	.00	.00	.00
A	285	290.00	4590.00	10000.00	2.540	.000	20.00	.00	.00	.00	.00
A	286	290.00	4600.00	5000.00	.620	.000	20.00	.00	.00	.00	.00
A	287	290.00	4605.00	2500.00	1.910	.000	20.00	.00	.00	.00	.00
A	288	290.00	4607.50	2500.00	.200	.000	20.00	.00	.00	.00	.00
A	289	290.00	4610.00	1000.00	1.700	.000	20.00	.00	.00	.00	.00
A	290	290.00	4611.00	1000.00	3.620	.000	20.00	.00	.00	.00	.00
A	291	290.00	4612.00	1000.00	3.530	.000	20.00	.00	.00	.00	.00
A	292	290.00	4613.00	1000.00	2.350	.000	20.00	.00	.00	.00	.00
A	293	290.00	4614.00	1000.00	.840	.000	20.00	.00	.00	.00	.00
A	294	290.00	4615.00	1000.00	2.730	.000	20.00	.00	.00	.00	.00
A	295	290.00	4616.00	1000.00	.980	.000	20.00	.00	.00	.00	.00
A	296	290.00	4617.00	1000.00	1.040	.000	20.00	.00	.00	.00	.00
A	297	290.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	298	290.00	4623.00	2000.00	.420	.000	20.00	.00	.00	.00	.00
A	299	290.00	4625.00	5000.00	1.450	.000	20.00	.00	.00	.00	.00
A	300	290.00	4630.00	5000.00	.430	.000	20.00	.00	.00	.00	.00
A	301	290.00	4635.00	5000.00	.970	.000	20.00	.00	.00	.00	.00
A	302	290.00	4640.00	5000.00	.150	.000	20.00	.00	.00	.00	.00
A	303	290.00	4645.00	10000.00	1.400	.000	20.00	.00	.00	.00	.00
A	304	290.00	4655.00	10000.00	1.320	.000	20.00	.00	.00	.00	.00
A	305	291.00	4610.00	1000.00	.600	.000	20.00	.00	.00	.00	.00
A	306	291.00	4611.00	1000.00	.540	.000	20.00	.00	.00	.00	.00
A	307	291.00	4612.00	1000.00	2.260	.000	20.00	.00	.00	.00	.00

CDM1 VERSION 6130. RUN 11

SOURCE	INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A	308	291.00	4613.00	1000.00	1.420	.000	20.00	.00	.00	.00	.00
A	309	291.00	4614.00	1000.00	1.010	.000	20.00	.00	.00	.00	.00
A	310	291.00	4615.00	1000.00	.290	.000	20.00	.00	.00	.00	.00
A	311	291.00	4616.00	1000.00	1.060	.000	20.00	.00	.00	.00	.00
A	312	291.00	4617.00	1000.00	.370	.000	20.00	.00	.00	.00	.00
A	313	291.00	4618.00	1000.00	.170	.000	20.00	.00	.00	.00	.00
A	314	292.00	4610.00	1000.00	.810	.000	20.00	.00	.00	.00	.00
A	315	292.00	4611.00	1000.00	.670	.000	20.00	.00	.00	.00	.00
A	316	292.00	4612.00	1000.00	.700	.000	20.00	.00	.00	.00	.00
A	317	292.00	4613.00	1000.00	1.300	.000	20.00	.00	.00	.00	.00
A	318	292.00	4614.00	1000.00	.350	.000	20.00	.00	.00	.00	.00
A	319	292.00	4615.00	1000.00	1.980	.000	20.00	.00	.00	.00	.00
A	320	292.00	4616.00	1000.00	.720	.000	20.00	.00	.00	.00	.00
A	321	292.00	4617.00	1000.00	1.090	.000	20.00	.00	.00	.00	.00
A	322	292.00	4618.00	1000.00	1.150	.000	20.00	.00	.00	.00	.00
A	323	292.00	4619.00	1000.00	1.280	.000	20.00	.00	.00	.00	.00
A	324	292.00	4620.00	1000.00	.610	.000	20.00	.00	.00	.00	.00
A	325	292.00	4621.00	1000.00	1.540	.000	20.00	.00	.00	.00	.00
A	326	292.00	4622.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	327	292.00	4623.00	2000.00	.060	.000	20.00	.00	.00	.00	.00
A	328	292.50	4605.00	2500.00	.390	.000	20.00	.00	.00	.00	.00
A	329	292.50	4607.50	2500.00	1.390	.000	20.00	.00	.00	.00	.00
A	330	293.00	4610.00	2000.00	.620	.000	20.00	.00	.00	.00	.00
A	331	293.00	4612.00	1000.00	1.080	.000	20.00	.00	.00	.00	.00
A	332	293.00	4613.00	1000.00	1.140	.000	20.00	.00	.00	.00	.00
A	333	293.00	4614.00	1000.00	.250	.000	20.00	.00	.00	.00	.00
A	334	293.00	4615.00	1000.00	.890	.000	20.00	.00	.00	.00	.00
A	335	293.00	4616.00	2000.00	1.360	.000	20.00	.00	.00	.00	.00
A	336	293.00	4618.00	2000.00	1.090	.000	20.00	.00	.00	.00	.00
A	337	293.00	4620.00	1000.00	1.800	.000	20.00	.00	.00	.00	.00
A	338	293.00	4621.00	1000.00	.290	.000	20.00	.00	.00	.00	.00
A	339	293.00	4622.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	340	294.00	4612.00	1000.00	.540	.000	20.00	.00	.00	.00	.00
A	341	294.00	4613.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	342	294.00	4614.00	1000.00	.270	.000	20.00	.00	.00	.00	.00
A	343	294.00	4615.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	344	294.00	4620.00	1000.00	.620	.000	20.00	.00	.00	.00	.00
A	345	294.00	4621.00	1000.00	1.470	.000	20.00	.00	.00	.00	.00
A	346	294.00	4622.00	1000.00	.610	.000	20.00	.00	.00	.00	.00
A	347	294.00	4623.00	2000.00	.390	.000	20.00	.00	.00	.00	.00
A	348	295.00	4600.00	5000.00	.470	.000	20.00	.00	.00	.00	.00
A	349	295.00	4605.00	2500.00	.910	.000	20.00	.00	.00	.00	.00
A	350	295.00	4607.50	2500.00	.480	.000	20.00	.00	.00	.00	.00
A	351	295.00	4610.00	2500.00	.370	.000	20.00	.00	.00	.00	.00
A	352	295.00	4612.50	2500.00	1.200	.000	20.00	.00	.00	.00	.00
A	353	295.00	4615.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	354	295.00	4617.50	2500.00	.750	.000	20.00	.00	.00	.00	.00
A	355	295.00	4620.00	3000.00	1.060	.000	20.00	.00	.00	.00	.00
A	356	295.00	4625.00	5000.00	1.390	.000	20.00	.00	.00	.00	.00
A	357	295.00	4630.00	5000.00	.780	.000	20.00	.00	.00	.00	.00
A	358	295.00	4635.00	5000.00	.990	.000	20.00	.00	.00	.00	.00

CDMI VERSION 76130. RUN 11

SOURCE	INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A	410	304.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A	411	305.00	4610.00	5000.00	1.410	.000	20.00	.00	.00	.00	.00
A	412	305.00	4640.00	5000.00	1.240	.000	20.00	.00	.00	.00	.00
A	413	305.00	4645.00	2500.00	.780	.000	20.00	.00	.00	.00	.00
A	414	305.00	4647.50	2500.00.	.070	.000	20.00	.00	.00	.00	.00
A	415	305.00	4650.00	5000.00	.150	.000	20.00	.00	.00	.00	.00
A	416	305.00	4655.00	5000.00	.970	.000	20.00	.00	.00	.00	.00
A	417	305.00	4660.00	5000.00	.810	.000	20.00	.00	.00	.00	.00
A	418	307.50	4645.00	2500.00	1.040	.000	20.00	.00	.00	.00	.00
A	419	307.50	4647.50	2500.00	.930	.000	20.00	.00	.00	.00	.00
A	420	310.00	4610.00	5000.00	.830	.000	20.00	.00	.00	.00	.00
A	421	310.00	4645.00	5000.00	.760	.000	20.00	.00	.00	.00	.00
A	422	310.00	4650.00	5000.00	1.130	.000	20.00	.00	.00	.00	.00
A	423	310.00	4655.00	5000.00	1.510	.000	20.00	.00	.00	.00	.00

422 AREA SOURCE(S). 144 POINT SOURCE(S).

@ADD,P PSBML*RECEP4.

COMI VERSION 7.130. RUN 11
(MICROGRAMS PER CUBIC METER)
TOLEDO UNREGULATED 1985

RECEPTOR ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
1	297.00	4614.00	6.74	.00	98.69	.00	105.42	.00	94.44	.00	89	0
2	283.00	4620.00	21.72	.00	13.98	.00	35.70	.00	57.83	.00	74	0
3	290.00	4614.00	21.32	.00	23.58	.00	44.90	.00	64.01	.00	94	0
4	289.00	4615.00	27.00	.00	24.03	.00	51.03	.00	73.26	.00	68	0
5	300.00	4643.00	5.05	.00	15.25	.00	20.30	.00	32.55	.00	41	0
6	304.00	4653.00	1.21	.00	10.54	.00	11.75	.00	23.18	.00	33	0
7	280.00	4648.00	1.11	.00	4.71	.00	5.82	.00	18.88	.00	15	0
8	288.00	4608.00	7.29	.00	13.90	.00	21.19	.00	35.11	.00	15	0
9	289.00	4614.00	20.66	.00	22.58	.00	43.24	.00	62.26	.00	42	0
10	294.00	4617.00	11.65	.00	79.72	.00	91.37	.00	86.70	.00	0	0
11	304.00	4626.00	2.33	.00	29.92	.00	32.25	.00	38.70	.00	0	0
12	291.00	4615.00	19.84	.00	34.50	.00	54.34	.00	69.44	.00	0	0
13	292.00	4616.00	17.68	.00	44.76	.00	62.44	.00	73.34	.00	0	0
14	293.00	4618.00	14.39	.00	51.45	.00	65.84	.00	72.93	.00	0	0
15	302.00	4628.00	2.37	.00	26.48	.00	28.86	.00	36.33	.00	0	0
16	291.00	4616.00	21.11	.00	41.23	.00	62.34	.00	76.21	.00	0	0
17	292.00	4618.00	15.25	.00	35.78	.00	51.03	.00	63.15	.00	0	0
18	291.00	4618.00	17.37	.00	32.16	.00	49.52	.00	63.90	.00	0	0
19	290.00	4615.00	23.82	.00	27.38	.00	51.20	.00	70.64	.00	0	0
20	290.00	4615.00	27.71	.00	32.51	.00	60.22	.00	80.38	.00	0	0
21	290.00	4618.00	21.37	.00	28.78	.00	50.15	.00	67.79	.00	0	0
22	289.00	4618.00	25.67	.00	28.75	.00	54.42	.00	74.51	.00	0	0
23	289.00	4616.00	31.55	.00	28.77	.00	60.32	.00	83.76	.00	0	0
24	288.00	4618.00	27.58	.00	24.77	.00	52.36	.00	74.69	.00	0	0
25	290.00	4613.00	23.81	.00	21.28	.00	45.09	.00	66.29	.00	0	0
26	289.00	4613.00	20.09	.00	21.84	.00	41.93	.00	60.84	.00	0	0
27	288.00	4611.00	14.54	.00	22.53	.00	37.07	.00	52.63	.00	0	0
28	289.00	4612.00	18.17	.00	21.57	.00	39.74	.00	57.64	.00	0	0
29	290.00	4612.00	22.14	.00	21.76	.00	43.91	.00	64.02	.00	0	0
30	289.00	4610.00	10.85	.00	19.92	.00	30.77	.00	44.98	.00	0	0
31	290.00	4610.00	11.16	.00	19.52	.00	30.68	.00	45.18	.00	0	0
32	291.00	4614.00	20.51	.00	27.30	.00	47.81	.00	65.38	.00	0	0
33	291.00	4613.00	23.30	.00	21.43	.00	44.73	.00	65.60	.00	0	0
34	291.00	4612.00	21.74	.00	21.06	.00	42.79	.00	62.87	.00	0	0
35	291.00	4610.00	9.50	.00	18.68	.00	28.18	.00	41.98	.00	0	0
36	294.00	4597.00	1.32	.00	9.67	.00	10.99	.00	22.74	.00	0	0
37	292.00	4610.00	8.29	.00	19.09	.00	27.38	.00	40.37	.00	0	0
38	292.00	4612.00	15.32	.00	30.88	.00	46.21	.00	59.78	.00	0	0
39	293.00	4611.00	9.50	.00	23.76	.00	33.26	.00	45.58	.00	0	0
40	292.00	4613.00	18.43	.00	26.36	.00	44.79	.00	61.46	.00	0	0
41	294.00	4612.00	9.56	.00	28.22	.00	37.78	.00	48.85	.00	0	0
42	304.00	4603.00	1.07	.00	10.08	.00	11.15	.00	22.64	.00	0	0
43	292.00	4614.00	17.39	.00	28.19	.00	45.59	.00	61.13	.00	0	0
44	293.00	4614.00	14.74	.00	36.93	.00	51.66	.00	63.15	.00	0	0
45	294.00	4613.00	11.64	.00	31.55	.00	43.19	.00	54.48	.00	0	0

COMI VERSION 70130. RUN 11
(MICROGRAMS PER CUBIC METER)
TOLEDO UNREGULATED 1985

RECEPTOR ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
46	295.00	4614.00	8.71	.00	36.58	.00	45.29	.00	53.45	.00	0	0
47	308.00	4611.00	1.99	.00	18.73	.00	20.72	.00	30.22	.00	0	0
48	308.00	4614.00	2.43	.00	20.56	.00	22.99	.00	32.21	.00	0	0
49	298.00	4618.00	5.64	.00	76.89	.00	82.53	.00	77.25	.00	0	0
50	298.00	4619.00	5.68	.00	67.39	.00	73.07	.00	70.56	.00	0	0
51	297.00	4619.00	6.87	.00	66.78	.00	73.65	.00	72.00	.00	0	0
52	297.00	4620.00	6.60	.00	55.31	.00	61.91	.00	63.43	.00	0	0
53	297.00	4621.00	6.44	.00	48.27	.00	54.71	.00	58.19	.00	0	0
54	296.00	4622.00	6.93	.00	42.48	.00	49.41	.00	54.84	.00	0	0
55	293.00	4640.00	1.78	.00	16.01	.00	17.79	.00	27.96	.00	0	0
56	296.00	4620.00	7.45	.00	61.32	.00	68.77	.00	69.03	.00	0	0
57	296.00	4621.00	7.33	.00	49.77	.00	57.10	.00	60.64	.00	0	0
58	289.00	4639.00	2.00	.00	11.27	.00	13.27	.00	24.94	.00	0	0
59	295.00	4622.00	10.12	.00	38.89	.00	49.01	.00	57.30	.00	0	0
60	286.00	4637.00	2.10	.00	10.76	.00	12.86	.00	24.74	.00	0	0
61	296.00	4619.00	7.30	.00	79.82	.00	87.12	.00	81.93	.00	0	0
62	295.00	4620.00	9.27	.00	38.41	.00	47.69	.00	55.63	.00	0	0
63	294.00	4621.00	12.70	.00	32.13	.00	44.82	.00	56.54	.00	0	0
64	283.00	4635.00	2.23	.00	8.11	.00	10.34	.00	23.06	.00	0	0
65	280.00	4632.00	2.33	.00	7.65	.00	9.97	.00	22.88	.00	0	0
66	295.00	4616.00	8.73	.00	52.58	.00	61.31	.00	64.84	.00	0	0
67	294.00	4615.00	11.72	.00	41.86	.00	53.57	.00	61.91	.00	0	0
68	283.00	4601.00	3.44	.00	6.86	.00	10.31	.00	24.08	.00	0	0
69	297.00	4617.00	6.55	.00	92.95	.00	99.50	.00	90.08	.00	0	0
70	296.00	4617.00	7.22	.00	111.52	.00	118.74	.00	104.32	.00	0	0
71	296.00	4616.00	7.28	.00	59.80	.00	67.08	.00	67.69	.00	0	0
72	286.00	4599.00	2.02	.00	6.26	.00	8.28	.00	21.42	.00	0	0
73	296.00	4615.00	7.59	.00	55.01	.00	62.60	.00	64.77	.00	0	0
74	296.00	4614.00	7.63	.00	45.79	.00	53.43	.00	50.30	.00	0	0
75	289.00	4597.00	1.56	.00	7.36	.00	8.93	.00	21.48	.00	0	0
76	297.00	4616.00	6.32	.00	64.80	.00	71.12	.00	69.73	.00	0	0
77	297.00	4615.00	6.52	.00	47.64	.00	54.16	.00	57.86	.00	0	0
78	293.00	4596.00	1.31	.00	9.61	.00	10.93	.00	22.69	.00	0	0
79	297.00	4614.00	6.40	.00	39.99	.00	46.39	.00	52.24	.00	0	0
80	297.00	4596.00	1.22	.00	9.49	.00	10.71	.00	22.46	.00	0	0
81	298.00	4614.00	5.82	.00	38.59	.00	44.41	.00	50.33	.00	0	0
82	301.00	4596.00	1.01	.00	8.30	.00	9.31	.00	21.28	.00	0	0
83	298.00	4617.00	5.88	.00	74.72	.00	80.60	.00	76.09	.00	0	0
84	283.00	4613.00	13.95	.00	20.84	.00	34.79	.00	50.50	.00	0	0
85	283.00	4615.00	17.44	.00	18.95	.00	36.39	.00	54.64	.00	0	0
86	283.00	4618.00	22.48	.00	17.15	.00	39.63	.00	61.28	.00	0	0
87	283.00	4624.00	8.77	.00	10.46	.00	19.23	.00	34.99	.00	0	0
88	283.00	4609.00	14.03	.00	17.54	.00	31.57	.00	48.28	.00	0	0
89	283.00	4603.00	4.25	.00	7.66	.00	11.92	.00	25.92	.00	0	0
90	283.00	4600.00	2.67	.00	6.55	.00	9.22	.00	22.64	.00	0	0

COMI VERSION 76130. RUN: 11
(MICROGRAMS PER CUBIC METER)
TOLEDO UNREGULATED 1985

RECEPTOR ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
91	284.00	4613.00	16.07	.00	20.14	.00	36.21	.00	53.33	.00	0	0
92	284.00	4615.00	22.62	.00	19.61	.00	42.23	.00	63.23	.00	0	0
93	284.00	4618.00	23.82	.00	18.55	.00	42.37	.00	64.37	.00	0	0
94	284.00	4622.00	15.37	.00	12.32	.00	27.70	.00	46.68	.00	0	0
95	284.00	4610.00	13.41	.00	24.06	.00	37.47	.00	51.94	.00	0	0
96	284.00	4605.00	5.10	.00	9.24	.00	14.35	.00	28.37	.00	0	0
97	284.00	4601.00	3.39	.00	7.09	.00	10.48	.00	24.16	.00	0	0
98	285.00	4610.00	13.78	.00	20.37	.00	34.15	.00	49.90	.00	0	0
99	285.00	4613.00	21.45	.00	21.86	.00	43.30	.00	62.99	.00	0	0
100	285.00	4615.00	28.20	.00	20.97	.00	49.17	.00	72.96	.00	0	0
101	285.00	4617.00	22.12	.00	19.71	.00	41.83	.00	62.53	.00	0	0
102	285.00	4621.00	16.84	.00	14.66	.00	31.50	.00	50.65	.00	0	0
103	286.00	4620.00	25.26	.00	19.23	.00	44.49	.00	67.11	.00	0	0
104	286.00	4617.00	23.41	.00	21.58	.00	44.99	.00	65.88	.00	0	0
105	286.00	4615.00	30.99	.00	23.16	.00	54.14	.00	78.89	.00	0	0
106	286.00	4613.00	26.05	.00	21.53	.00	47.58	.00	69.98	.00	0	0
107	286.00	4610.00	12.34	.00	17.92	.00	30.26	.00	45.90	.00	0	0
108	291.00	4617.00	19.39	.00	39.88	.00	59.27	.00	72.56	.00	0	0
109	292.00	4617.00	17.25	.00	45.95	.00	63.20	.00	73.51	.00	0	0
110	293.00	4613.00	14.30	.00	32.20	.00	46.50	.00	59.11	.00	0	0
111	293.00	4612.00	11.67	.00	30.14	.00	41.81	.00	53.52	.00	0	0
112	295.00	4611.00	6.06	.00	26.85	.00	32.91	.00	42.38	.00	0	0
113	295.00	4612.00	7.60	.00	33.21	.00	40.82	.00	49.32	.00	0	0
114	295.00	4613.00	8.62	.00	37.91	.00	46.53	.00	54.25	.00	0	0
115	296.00	4613.00	6.90	.00	37.50	.00	44.40	.00	51.26	.00	0	0
116	285.00	4607.00	6.51	.00	11.17	.00	17.68	.00	31.95	.00	0	0
117	285.00	4609.00	11.52	.00	15.23	.00	26.74	.00	42.69	.00	0	0
118	285.00	4611.00	17.87	.00	25.13	.00	43.01	.00	59.70	.00	0	0
119	285.00	4619.00	26.84	.00	16.00	.00	42.84	.00	67.30	.00	0	0
120	285.00	4621.00	16.84	.00	14.66	.00	31.50	.00	50.65	.00	0	0
121	285.00	4623.00	12.89	.00	13.17	.00	26.06	.00	43.38	.00	0	0
122	285.00	4625.00	7.42	.00	11.62	.00	19.04	.00	33.70	.00	0	0
123	285.00	4627.00	5.74	.00	10.81	.00	16.54	.00	30.48	.00	0	0
124	285.00	4629.00	4.65	.00	10.68	.00	15.34	.00	28.69	.00	0	0
125	285.00	4631.00	3.47	.00	9.99	.00	13.46	.00	26.34	.00	0	0
126	285.00	4633.00	2.81	.00	9.90	.00	12.71	.00	25.24	.00	0	0
127	285.00	4635.00	2.37	.00	9.35	.00	11.72	.00	24.16	.00	0	0
128	286.00	4606.00	4.90	.00	10.21	.00	15.11	.00	28.75	.00	0	0
129	286.00	4608.00	8.64	.00	12.87	.00	21.51	.00	36.50	.00	0	0
130	286.00	4612.00	21.89	.00	23.25	.00	45.14	.00	64.67	.00	0	0
131	286.00	4614.00	32.71	.00	21.95	.00	54.66	.00	80.74	.00	0	0
132	286.00	4616.00	26.58	.00	21.90	.00	48.48	.00	71.08	.00	0	0
133	286.00	4618.00	23.66	.00	20.13	.00	43.79	.00	65.24	.00	0	0
134	286.00	4622.00	14.12	.00	16.06	.00	30.17	.00	47.36	.00	0	0
135	286.00	4624.00	9.58	.00	13.14	.00	22.72	.00	38.17	.00	0	0

COMI VERSION 76130. RUN 11
(MICROGRAMS PER CUBIC METER)
TOLEDO UNREGULATED 1985

RECEPTOR	COORDINATE		AREA		POINT		TOTAL		CALIBRATED		OBS. MEAN	
ID	X	Y	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2
181	290.00	4622.00	10.69	.00	21.92	.00	32.61	.00	46.14	.00	0	0
182	290.00	4624.00	7.41	.00	17.57	.00	24.99	.00	37.92	.00	0	0
183	290.00	4626.00	5.79	.00	17.31	.00	23.11	.00	35.19	.00	0	0
184	290.00	4628.00	4.82	.00	15.66	.00	20.48	.00	32.49	.00	0	0
185	290.00	4630.00	3.58	.00	16.35	.00	19.93	.00	31.03	.00	0	0
186	291.00	4619.00	13.54	.00	29.93	.00	43.46	.00	56.30	.00	0	0
187	291.00	4621.00	11.15	.00	23.65	.00	34.81	.00	48.10	.00	0	0
188	291.00	4623.00	8.13	.00	19.52	.00	27.65	.00	40.42	.00	0	0
189	291.00	4625.00	6.43	.00	18.19	.00	24.62	.00	36.82	.00	0	0
190	291.00	4627.00	5.20	.00	18.15	.00	23.35	.00	34.85	.00	0	0
191	291.00	4629.00	4.15	.00	17.15	.00	21.30	.00	32.49	.00	0	0
192	292.00	4620.00	12.66	.00	26.09	.00	38.76	.00	52.21	.00	0	0
193	292.00	4622.00	10.15	.00	24.32	.00	34.47	.00	47.01	.00	0	0
194	292.00	4624.00	6.79	.00	22.22	.00	29.01	.00	40.23	.00	0	0
195	292.00	4626.00	5.73	.00	18.88	.00	24.60	.00	36.20	.00	0	0
196	292.00	4628.00	4.37	.00	18.75	.00	23.12	.00	33.98	.00	0	0
197	293.00	4615.00	14.34	.00	44.98	.00	59.33	.00	68.26	.00	0	0
198	293.00	4619.00	14.40	.00	36.27	.00	50.67	.00	62.16	.00	0	0
199	293.00	4621.00	13.35	.00	30.10	.00	43.45	.00	56.13	.00	0	0
200	293.00	4623.00	7.56	.00	24.79	.00	32.36	.00	43.28	.00	0	0
201	293.00	4625.00	5.81	.00	22.22	.00	28.03	.00	38.70	.00	0	0
202	293.00	4627.00	4.50	.00	19.58	.00	24.08	.00	34.77	.00	0	0
203	294.00	4610.00	6.21	.00	20.27	.00	26.49	.00	37.95	.00	0	0
204	294.00	4614.00	12.15	.00	35.78	.00	47.93	.00	58.27	.00	0	0
205	294.00	4616.00	12.29	.00	59.79	.00	72.08	.00	75.54	.00	0	0
206	294.00	4618.00	11.03	.00	50.32	.00	61.35	.00	66.84	.00	0	0
207	294.00	4620.00	11.77	.00	36.11	.00	47.87	.00	57.91	.00	0	0
208	294.00	4622.00	10.20	.00	27.94	.00	38.14	.00	49.65	.00	0	0
209	294.00	4624.00	6.14	.00	23.63	.00	29.77	.00	40.22	.00	0	0
210	294.00	4626.00	4.79	.00	26.20	.00	30.99	.00	39.92	.00	0	0
211	295.00	4615.00	8.96	.00	41.27	.00	50.23	.00	57.17	.00	0	0
212	295.00	4617.00	9.39	.00	64.19	.00	73.58	.00	74.12	.00	0	0
213	295.00	4619.00	9.33	.00	47.55	.00	56.88	.00	62.21	.00	0	0
214	295.00	4623.00	7.50	.00	35.13	.00	42.63	.00	50.52	.00	0	0
215	295.00	4625.00	5.60	.00	27.99	.00	33.58	.00	42.46	.00	0	0
216	296.00	4610.00	4.64	.00	25.77	.00	30.41	.00	39.38	.00	0	0
217	296.00	4612.00	5.75	.00	31.93	.00	37.68	.00	45.50	.00	0	0
218	296.00	4624.00	5.89	.00	30.80	.00	36.69	.00	44.92	.00	0	0
219	297.00	4611.00	4.42	.00	27.53	.00	31.95	.00	40.29	.00	0	0
220	297.00	4613.00	5.69	.00	33.37	.00	39.06	.00	46.42	.00	0	0
221	297.00	4623.00	5.50	.00	38.80	.00	44.30	.00	49.99	.00	0	0
222	298.00	4610.00	3.80	.00	23.16	.00	26.96	.00	36.21	.00	0	0
223	298.00	4612.00	4.44	.00	28.79	.00	33.23	.00	41.21	.00	0	0
224	298.00	4616.00	5.62	.00	53.51	.00	59.13	.00	60.62	.00	0	0
225	298.00	4620.00	5.69	.00	59.12	.00	64.82	.00	64.72	.00	0	0

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RECEPTOR ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
226	298.00	4622.00	5.49	.00	41.01	.00	46.50	.00	51.54	.00	0	0
227	299.00	4611.00	3.41	.00	23.67	.00	27.09	.00	35.97	.00	0	0
228	299.00	4613.00	4.57	.00	31.67	.00	36.24	.00	43.47	.00	0	0
229	299.00	4615.00	5.57	.00	40.95	.00	46.52	.00	51.62	.00	0	0
230	299.00	4612.00	3.73	.00	26.98	.00	30.71	.00	38.81	.00	0	0
231	299.00	4614.00	5.17	.00	34.31	.00	39.48	.00	46.28	.00	0	0
232	300.00	4610.00	2.91	.00	19.67	.00	22.59	.00	32.34	.00	0	0
233	300.00	4612.00	3.51	.00	25.46	.00	28.97	.00	37.38	.00	0	0
234	300.00	4614.00	4.69	.00	34.53	.00	39.22	.00	45.68	.00	0	0
235	300.00	4616.00	4.37	.00	53.73	.00	58.10	.00	58.81	.00	0	0
236	300.00	4618.00	4.38	.00	59.93	.00	64.30	.00	63.22	.00	0	0
237	300.00	4620.00	4.41	.00	52.64	.00	57.05	.00	58.10	.00	0	0
238	296.00	4618.00	7.41	.00	153.53	.00	160.95	.00	134.45	.00	0	0
239	295.00	4618.00	9.23	.00	62.42	.00	71.64	.00	72.60	.00	0	0
240	296.50	4617.50	6.96	.00	110.80	.00	117.76	.00	103.40	.00	0	0
241	296.50	4618.00	6.91	.00	109.59	.00	116.50	.00	102.46	.00	0	0
242	297.50	4618.50	6.38	.00	78.20	.00	84.58	.00	79.34	.00	0	0
243	297.50	4617.50	5.83	.00	85.27	.00	91.09	.00	83.49	.00	0	0

----SOURCE CONTRIBUTION TABLE----
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FROM POINT SOURCES

SOURCE	RECEPTOR 238	RECEPTOR 70	RECEPTOR 240	RECEPTOR 241	RECEPTOR 1	RECEPTOR 69	RECEPTOR 10	RECEPTOR 159	RECEPTOR 23	RECEPTOR 243
1	.50	.34	.07	.20	.00	.06	.83	.71	.75	.05
	.38%	.33%	.07%	.19%	.00%	.07%	.93%	.82%	.90%	.05%
2	.50	.34	.07	.20	.00	.06	.83	.71	.75	.05
	.37%	.33%	.07%	.19%	.00%	.07%	.93%	.82%	.89%	.05%
3	.54	.36	.08	.21	.00	.07	.88	.75	.79	.05
	.40%	.35%	.07%	.20%	.00%	.07%	.99%	.87%	.95%	.06%
4	.41	.28	.05	.20	.00	.03	.86	.82	.85	.05
	.30%	.27%	.05%	.20%	.00%	.03%	.97%	.94%	1.02%	.06%
5	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.01%	.00%	.00%	.00%	.00%	.00%
6	.18	.20	.20	.20	.19	.19	.18	.03	.03	.19
	.13%	.19%	.19%	.19%	.20%	.22%	.20%	.04%	.04%	.23%
7	.18	.20	.20	.19	.19	.19	.18	.03	.03	.19
	.13%	.19%	.19%	.19%	.20%	.22%	.20%	.04%	.04%	.23%
8	1.62	1.86	1.78	1.76	1.71	1.75	1.74	.32	.31	1.68
	1.20%	1.78%	1.72%	1.72%	1.81%	1.94%	1.96%	.37%	.37%	2.01%
9	1.37	1.48	1.52	1.52	1.60	1.53	1.28	.28	.22	1.61
	1.02%	1.42%	1.47%	1.49%	1.70%	1.70%	1.45%	.33%	.26%	1.93%
10	.43	1.33	.66	.38	.43	.58	.25	.04	.05	.42
	.32%	1.27%	.64%	.37%	.45%	.64%	.29%	.04%	.06%	.50%
11	1.38	1.61	1.98	1.43	2.14	2.34	1.10	.47	.54	2.38
	1.03%	1.54%	1.91%	1.39%	2.27%	2.60%	1.24%	.54%	.64%	2.85%
12	2.42	2.82	3.47	2.51	3.76	4.11	1.93	.82	.94	4.18
	1.80%	2.70%	3.36%	2.45%	3.98%	4.56%	2.18%	.95%	1.12%	5.01%
13	1.66	1.94	2.39	1.53	1.75	2.20	1.06	.16	.20	1.73
	1.23%	1.86%	2.31%	1.49%	1.85%	2.44%	1.20%	.19%	.24%	2.07%
14	2.71	5.44	4.03	2.44	2.74	3.59	1.66	.25	.30	2.69
	2.01%	5.21%	3.90%	2.38%	2.90%	3.99%	1.87%	.28%	.36%	3.22%
15	3.46	8.38	5.22	3.08	3.40	4.56	2.07	.29	.36	3.32
	2.58%	8.03%	5.04%	3.01%	3.60%	5.06%	2.34%	.34%	.43%	3.98%

----SOURCE CONTRIBUTION TABLE----
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FROM POINT SOURCES

SOURCE	RECEPTOR 238	RECEPTOR 70	RECEPTOR 240	RECEPTOR 241	RECEPTOR 1	RECEPTOR 69	RECEPTOR 10	RECEPTOR 159	RECEPTOR 23	RECEPTOR 243
16	4.21	5.46	6.29	4.02	5.15	6.26	2.83	.69	.82	5.33
	3.13%	5.23%	6.08%	3.92%	5.45%	6.95%	3.20%	.79%	.98%	6.39%
17	8.21	14.58	12.17	7.50	8.61	11.05	5.14	.82	1.01	8.53
	6.11%	13.97%	11.77%	7.32%	9.12%	12.27%	5.79%	.95%	1.20%	10.21%
18	.12	.80	.19	.10	.10	.15	.06	.01	.01	.09
	.09%	.77%	.19%	.10%	.10%	.17%	.07%	.01%	.01%	.11%
19	2.49	4.27	3.68	2.28	2.66	3.38	1.57	.26	.32	2.65
	1.85%	4.09%	3.56%	2.23%	2.82%	3.75%	1.77%	.30%	.39%	3.17%
20	.08	.29	.12	.07	.07	.10	.05	.01	.01	.07
	.06%	.28%	.12%	.07%	.08%	.11%	.05%	.01%	.01%	.08%
21	3.71	.89	4.26	4.02	5.69	4.54	3.52	1.22	1.47	6.08
	2.76%	.86%	4.12%	3.92%	6.02%	5.04%	3.96%	1.41%	1.75%	7.29%
22	.37	.00	.40	.45	.78	.45	.48	.49	.52	.83
	.28%	.00%	.39%	.44%	.83%	.50%	.54%	.56%	.62%	.99%
23	.17	.06	.23	.17	.23	.25	.13	.03	.04	.24
	.13%	.05%	.23%	.17%	.24%	.27%	.15%	.04%	.04%	.29%
24	.08	.09	.08	.08	.08	.07	.05	.03	.04	.07
	.06%	.08%	.08%	.08%	.08%	.08%	.05%	.04%	.05%	.09%
25	.08	.09	.08	.08	.08	.07	.05	.03	.04	.07
	.06%	.08%	.08%	.08%	.08%	.08%	.05%	.04%	.05%	.09%
26	.08	.09	.08	.08	.08	.07	.05	.03	.04	.07
	.06%	.08%	.08%	.08%	.08%	.08%	.05%	.04%	.05%	.09%
27	.08	.09	.08	.08	.08	.07	.05	.03	.04	.07
	.06%	.08%	.08%	.08%	.08%	.08%	.05%	.04%	.05%	.09%
28	.75	.87	.68	.64	.55	.58	2.40	.23	.31	.51
	.56%	.83%	.66%	.62%	.59%	.64%	2.71%	.27%	.37%	.61%
29	.75	.87	.68	.64	.55	.58	2.40	.23	.31	.51
	.56%	.83%	.66%	.62%	.59%	.64%	2.71%	.27%	.37%	.61%
30	.27	.26	.27	.27	.26	.26	.09	.11	.12	.26
	.20%	.25%	.26%	.26%	.28%	.29%	.10%	.13%	.14%	.31%

----SOURCE CONTRIBUTION TABLE----
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FROM POINT SOURCES

SOURCE	RECEPTOR 238	RECEPTOR 70	RECEPTOR 240	RECEPTOR 241	RECEPTOR 1	RECEPTOR 69	RECEPTOR 10	RECEPTOR 159	RECEPTOR 23	RECEPTOR 243
31	.04	.04	.04	.04	.04	.04	.01	.02	.02	.04
	.03%	.04%	.04%	.04%	.04%	.04%	.01%	.02%	.02%	.04%
32	.25	.26	.25	.24	.22	.23	.18	.10	.11	.22
	.19%	.25%	.24%	.23%	.24%	.25%	.20%	.11%	.13%	.26%
33	.27	.31	.24	.22	.19	.20	.94	.08	.11	.17
	.20%	.30%	.23%	.22%	.20%	.22%	1.07%	.09%	.13%	.21%
34	.06	.07	.05	.05	.04	.04	.22	.02	.02	.04
	.04%	.07%	.05%	.05%	.04%	.05%	.25%	.02%	.03%	.04%
35	.06	.07	.05	.05	.04	.04	.25	.02	.02	.04
	.04%	.07%	.05%	.05%	.04%	.05%	.28%	.02%	.03%	.04%
36	.53	.60	.49	.46	.40	.42	1.49	.17	.22	.37
	.39%	.58%	.47%	.45%	.42%	.46%	1.68%	.19%	.26%	.45%
37	.35	.38	.33	.32	.29	.30	.59	.11	.14	.28
	.26%	.37%	.32%	.31%	.31%	.34%	.67%	.13%	.16%	.33%
38	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.01%	.00%	.00%	.00%
39	.28	.30	.26	.25	.23	.23	.27	.10	.12	.21
	.21%	.29%	.26%	.25%	.24%	.26%	.30%	.12%	.15%	.26%
40	.21	.23	.19	.18	.16	.16	.50	.07	.08	.15
	.15%	.22%	.18%	.17%	.17%	.18%	.57%	.08%	.10%	.18%
41	.16	.18	.14	.13	.11	.12	.47	.05	.06	.11
	.12%	.17%	.14%	.13%	.12%	.13%	.53%	.06%	.08%	.13%
42	.15	.18	.14	.13	.11	.12	.49	.05	.06	.10
	.11%	.17%	.13%	.13%	.12%	.13%	.56%	.06%	.08%	.12%
43	1.02	1.21	.92	.85	.72	.77	4.09	.31	.42	.66
	.76%	1.16%	.89%	.83%	.76%	.85%	4.61%	.36%	.50%	.79%
44	.97	.98	.95	.94	.90	.90	.44	.39	.42	.87
	.72%	.94%	.92%	.91%	.95%	1.00%	.50%	.45%	.51%	1.04%
45	.86	1.03	.77	.71	.60	.64	3.64	.26	.36	.54
	.64%	.99%	.74%	.69%	.63%	.71%	4.10%	.30%	.42%	.65%

----SOURCE CONTRIBUTION TABLE----
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FROM POINT SOURCES

SOURCE	RECEPTOR 238	RECEPTOR 70	RECEPTOR 240	RECEPTOR 241	RECEPTOR 1	RECEPTOR 69	RECEPTOR 10	RECEPTOR 159	RECEPTOR 23	RECEPTOR 243
46	.10 .07%	.11 .10%	.10 .09%	.09 .09%	.09 .10%	.10 .11%	.09 .10%	.03 .03%	.04 .05%	.09 .11%
47	.07 .05%	.08 .08%	.07 .07%	.07 .07%	.07 .07%	.07 .08%	.07 .08%	.02 .03%	.04 .04%	.07 .08%
48	.05 .04%	.06 .06%	.05 .05%	.05 .05%	.05 .05%	.05 .06%	.05 .06%	.02 .03%	.04 .04%	.05 .05%
49	.05 .04%	.06 .06%	.05 .05%	.05 .05%	.05 .05%	.05 .06%	.05 .06%	.02 .03%	.04 .04%	.05 .05%
50	.05 .04%	.06 .06%	.05 .05%	.05 .05%	.05 .05%	.05 .06%	.05 .06%	.02 .03%	.04 .04%	.05 .05%
51	.05 .04%	.06 .06%	.05 .05%	.05 .05%	.05 .05%	.05 .06%	.05 .06%	.02 .03%	.04 .04%	.05 .05%
52	.08 .06%	.09 .08%	.08 .08%	.08 .07%	.07 .08%	.08 .09%	.07 .08%	.02 .03%	.04 .04%	.07 .09%
53	.08 .06%	.09 .09%	.08 .08%	.08 .08%	.07 .08%	.08 .09%	.08 .09%	.03 .03%	.04 .05%	.07 .09%
54	.01 .01%	.02 .02%	.01 .01%	.01 .01%	.01 .01%	.01 .02%	.01 .02%	.01 .01%	.01 .01%	.01 .02%
55	.05 .04%	.06 .06%	.05 .05%	.05 .05%	.05 .05%	.05 .06%	.05 .06%	.02 .02%	.03 .04%	.05 .06%
56	.05 .04%	.06 .06%	.05 .05%	.05 .05%	.05 .05%	.05 .06%	.05 .06%	.02 .02%	.03 .04%	.05 .06%
57	.02 .01%	.02 .02%	.02 .02%	.02 .02%	.02 .02%	.02 .02%	.02 .02%	.00 .01%	.01 .01%	.02 .02%
58	.04 .03%	.04 .04%	.04 .03%	.03 .03%	.03 .04%	.04 .04%	.03 .03%	.01 .01%	.01 .02%	.03 .04%
59	.03 .02%	.03 .03%	.03 .03%	.02 .02%	.02 .03%	.03 .03%	.03 .03%	.01 .01%	.02 .02%	.02 .03%
60	.01 .01%	.02 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .02%	.01 .02%	.01 .01%	.01 .01%	.01 .02%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
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FROM POINT SOURCES

SOURCE	RECEPTOR 238	RECEPTOR 70	RECEPTOR 240	RECEPTOR 241	RECEPTOR 1	RECEPTOR 69	RECEPTOR 10	RECEPTOR 159	RECEPTOR 23	RECEPTOR 243
61	.25	.27	.25	.24	.23	.25	.23	.07	.12	.23
	.19%	.26%	.24%	.23%	.24%	.28%	.26%	.09%	.14%	.27%
62	.54	.55	.54	.53	.53	.54	.38	.10	.16	.53
	.40%	.52%	.52%	.52%	.56%	.60%	.43%	.12%	.19%	.63%
63	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
65	.02	.02	.02	.02	.02	.02	.03	.01	.01	.02
	.02%	.02%	.02%	.02%	.02%	.02%	.03%	.01%	.02%	.02%
66	.01	.01	.01	.01	.01	.01	.02	.00	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.02%	.00%	.01%	.01%
67	.01	.01	.01	.01	.01	.01	.01	.00	.00	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.00%	.01%	.01%
68	.12	.12	.11	.11	.10	.11	.15	.05	.10	.10
	.09%	.12%	.11%	.11%	.11%	.12%	.17%	.05%	.12%	.12%
69	.11	.11	.10	.10	.10	.10	.14	.04	.09	.09
	.08%	.11%	.10%	.10%	.10%	.11%	.15%	.05%	.11%	.11%
70	.57	.60	.55	.53	.50	.52	.82	.39	.91	.48
	.42%	.58%	.53%	.52%	.53%	.58%	.92%	.45%	1.08%	.57%
71	.28	.03	.05	.10	.05	.01	.01	.00	.00	.01
	.21%	.03%	.05%	.10%	.05%	.01%	.01%	.00%	.00%	.02%
72	.17	.02	.03	.06	.03	.01	.00	.00	.00	.01
	.12%	.02%	.03%	.06%	.03%	.01%	.00%	.00%	.00%	.01%
73	17.79	3.99	6.16	11.59	6.75	2.14	1.26	.22	.26	2.44
	13.23%	3.82%	5.95%	11.31%	7.15%	2.37%	1.42%	.25%	.31%	2.92%
74	38.38	5.49	8.40	17.06	8.51	2.46	1.37	.20	.24	2.69
	28.55%	5.27%	8.13%	16.65%	9.01%	2.74%	1.55%	.23%	.28%	3.22%
75	.28	.26	.30	.30	.31	.31	.03	.12	.13	.31
	.21%	.25%	.29%	.30%	.33%	.35%	.04%	.14%	.15%	.38%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
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FROM POINT SOURCES

SOURCE	RECEPTOR 238	RECEPTOR 70	RECEPTOR 240	RECEPTOR 241	RECEPTOR 1	RECEPTOR 69	RECEPTOR 10	RECEPTOR 159	RECEPTOR 23	RECEPTOR 243
76	.28	.26	.30	.30	.31	.31	.03	.12	.13	.31
	.21%	.25%	.29%	.30%	.33%	.35%	.04%	.14%	.15%	.38%
77	.54	.56	.51	.49	.43	.44	.11	.13	.16	.41
	.40%	.54%	.49%	.47%	.46%	.49%	.13%	.15%	.19%	.49%
78	.54	.56	.51	.49	.43	.44	.11	.13	.16	.41
	.40%	.54%	.49%	.47%	.46%	.49%	.13%	.15%	.19%	.49%
79	.14	.13	.15	.15	.16	.16	.02	.06	.06	.16
	.10%	.12%	.14%	.15%	.16%	.17%	.02%	.07%	.08%	.19%
80	.07	.07	.06	.06	.06	.06	.09	.05	.06	.06
	.05%	.06%	.06%	.06%	.06%	.07%	.10%	.06%	.07%	.07%
81	.07	.07	.06	.06	.06	.06	.09	.05	.06	.06
	.05%	.06%	.06%	.06%	.06%	.07%	.10%	.06%	.07%	.07%
82	.04	.04	.03	.03	.03	.03	.05	.05	.04	.03
	.03%	.04%	.03%	.03%	.03%	.04%	.06%	.05%	.05%	.04%
83	.04	.04	.03	.03	.03	.03	.05	.05	.04	.03
	.03%	.04%	.03%	.03%	.03%	.04%	.06%	.05%	.05%	.04%
84	.03	.03	.03	.03	.02	.02	.04	.04	.03	.02
	.02%	.03%	.03%	.03%	.03%	.03%	.04%	.04%	.04%	.03%
85	.03	.03	.03	.03	.02	.02	.04	.04	.03	.02
	.02%	.03%	.03%	.03%	.03%	.03%	.04%	.04%	.04%	.03%
86	.03	.03	.03	.03	.02	.02	.04	.04	.03	.02
	.02%	.03%	.03%	.03%	.03%	.03%	.04%	.04%	.04%	.03%
87	.03	.03	.03	.03	.02	.02	.04	.04	.03	.02
	.02%	.03%	.03%	.03%	.03%	.03%	.04%	.04%	.04%	.03%
88	.04	.04	.03	.03	.03	.03	.05	.06	.05	.03
	.03%	.04%	.03%	.03%	.03%	.04%	.06%	.07%	.06%	.04%
89	.04	.04	.03	.03	.03	.03	.05	.06	.05	.03
	.03%	.04%	.03%	.03%	.03%	.04%	.06%	.07%	.06%	.04%
90	.05	.05	.05	.05	.05	.05	.06	.14	.12	.04
	.04%	.05%	.05%	.05%	.05%	.05%	.07%	.16%	.14%	.05%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
TOLEDO UNREGULATED 1985

FROM POINT SOURCES

SOURCE	RECEPTOR 238	RECEPTOR 70	RECEPTOR 240	RECEPTOR 241	RECEPTOR 1	RECEPTOR 69	RECEPTOR 10	RECEPTOR 159	RECEPTOR 23	RECEPTOR 243
91	.11 .08%	.11 .11%	.10 .10%	.10 .10%	.10 .10%	.10 .11%	.14 .16%	.32 .36%	.27 .33%	.09 .11%
92	.11 .08%	.11 .11%	.10 .10%	.10 .10%	.10 .10%	.10 .11%	.14 .16%	.32 .36%	.27 .33%	.09 .11%
93	.05 .04%	.06 .05%	.05 .05%	.05 .05%	.05 .05%	.05 .06%	.05 .05%	.02 .03%	.02 .03%	.05 .06%
94	.05 .04%	.06 .05%	.05 .05%	.05 .05%	.05 .05%	.05 .06%	.05 .05%	.02 .03%	.02 .03%	.05 .06%
95	.05 .04%	.06 .05%	.05 .05%	.05 .05%	.05 .05%	.05 .06%	.05 .05%	.02 .03%	.02 .03%	.05 .06%
96	.03 .03%	.03 .03%	.03 .03%	.03 .03%	.03 .03%	.03 .04%	.02 .03%	.02 .02%	.02 .02%	.03 .04%
97	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.02 .02%	.03 .03%	.00 .00%
98	.01 .00%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.02 .02%	.01 .02%	.01 .01%
99	.01 .00%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.02 .02%	.01 .02%	.01 .01%
100	.03 .02%	.03 .03%	.03 .03%	.03 .03%	.03 .03%	.03 .03%	.04 .04%	.07 .08%	.06 .08%	.03 .03%
101	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.02 .02%	.03 .03%	.03 .03%	.01 .01%
102	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.02 .02%	.03 .03%	.03 .03%	.01 .01%
103	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.02 .02%	.03 .03%	.03 .03%	.01 .01%
104	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.01 .01%	.01 .01%	.00 .00%
105	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.01 .01%	.01 .01%	.00 .00%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
TOLEDO UNREGULATED 1985

FROM POINT SOURCES

SOURCE	RECEPTOR 23A	RECEPTOR 70	RECEPTOR 240	RECEPTOR 241	RECEPTOR 1	RECEPTOR 69	RECEPTOR 10	RECEPTOR 159	RECEPTOR 23	RECEPTOR 243
106	.02 .01%	.02 .02%	.02 .02%	.02 .02%	.02 .02%	.01 .02%	.02 .02%	.04 .04%	.04 .04%	.01 .02%
107	.02 .02%	.02 .02%	.02 .02%	.02 .02%	.02 .02%	.02 .02%	.02 .02%	.04 .05%	.04 .05%	.02 .02%
108	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
109	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
110	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.04 .04%	.03 .03%	.01 .01%
111	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.04 .04%	.03 .03%	.01 .01%
112	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.01 .02%	.01 .01%	.00 .00%
113	.01 .00%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.00 .01%	.01 .01%	.01 .01%	.01 .02%	.00 .01%
114	.01 .00%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.00 .01%	.01 .01%	.01 .01%	.01 .02%	.00 .01%
115	.01 .00%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.00 .01%	.01 .01%	.01 .01%	.01 .02%	.00 .01%
116	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.05 .06%	.06 .07%	.01 .01%
117	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.05 .06%	.06 .07%	.01 .01%
118	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.05 .06%	.06 .07%	.01 .01%
119	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .01%	.00 .00%	.00 .00%	.00 .00%
120	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .01%	.00 .00%	.00 .00%	.00 .00%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
TOLEDO UNREGULATED 1985

FROM POINT SOURCES

SOURCE	RECEPTOR 238	RECEPTOR 70	RECEPTOR 240	RECEPTOR 241	RECEPTOR 1	RECEPTOR 69	RECEPTOR 10	RECEPTOR 159	RECEPTOR 23	RECEPTOR 243
121	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.01%	.00%	.00%	.00%
122	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.01%	.00%	.00%	.00%
123	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
124	.01	.01	.01	.00	.00	.01	.01	.01	.01	.00
	.00%	.01%	.01%	.00%	.00%	.01%	.01%	.01%	.01%	.01%
125	.05	.05	.05	.05	.05	.05	.05	.06	.06	.05
	.04%	.05%	.05%	.05%	.05%	.06%	.06%	.07%	.07%	.06%
126	.09	.08	.08	.09	.09	.08	.08	.06	.06	.09
	.06%	.08%	.08%	.09%	.09%	.09%	.09%	.07%	.07%	.10%
127	.40	.37	.38	.40	.40	.37	.19	.15	.15	.38
	.30%	.35%	.37%	.39%	.42%	.41%	.22%	.17%	.18%	.46%
128	.40	.37	.38	.40	.40	.37	.19	.15	.15	.38
	.30%	.35%	.37%	.39%	.42%	.41%	.22%	.17%	.18%	.46%
129	.38	.35	.36	.38	.38	.35	.18	.14	.15	.36
	.28%	.33%	.35%	.37%	.40%	.39%	.20%	.16%	.17%	.43%
130	.03	.03	.03	.03	.03	.03	.02	.01	.01	.03
	.02%	.03%	.03%	.03%	.03%	.03%	.02%	.01%	.02%	.04%
131	.37	.37	.37	.37	.37	.37	.36	.43	.35	.37
	.28%	.35%	.36%	.36%	.39%	.41%	.41%	.49%	.42%	.44%
132	.37	.37	.37	.37	.37	.37	.36	.43	.35	.37
	.28%	.35%	.36%	.36%	.39%	.41%	.41%	.49%	.42%	.44%
133	.06	.06	.06	.06	.06	.06	.05	.04	.04	.06
	.05%	.05%	.06%	.06%	.07%	.06%	.06%	.05%	.05%	.07%
134	.04	.04	.04	.04	.03	.04	.03	.01	.02	.03
	.03%	.04%	.04%	.04%	.04%	.04%	.04%	.01%	.02%	.04%
135	.04	.04	.04	.04	.03	.04	.03	.01	.02	.03
	.03%	.04%	.04%	.04%	.04%	.04%	.04%	.01%	.02%	.04%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
TOLEDO UNREGULATED 1985

FROM POINT SOURCES

SOURCE	RECEPTOR 239	RECEPTOR 70	RECEPTOR 240	RECEPTOR 241	RECEPTOR 1	RECEPTOR 69	RECEPTOR 10	RECEPTOR 159	RECEPTOR 23	RECEPTOR 243
136	.04	.04	.04	.04	.03	.04	.03	.01	.02	.03
	.03%	.04%	.04%	.04%	.04%	.04%	.04%	.01%	.02%	.04%
137	.05	.05	.05	.05	.04	.05	.04	.01	.02	.04
	.04%	.05%	.05%	.04%	.05%	.05%	.05%	.02%	.03%	.05%
138	.25	.29	.25	.24	.22	.25	.26	.10	.16	.22
	.19%	.27%	.24%	.23%	.24%	.28%	.29%	.11%	.20%	.27%
139	.25	.28	.25	.24	.22	.25	.24	.08	.13	.22
	.18%	.27%	.24%	.23%	.24%	.28%	.27%	.09%	.16%	.27%
140	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
141	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
142	.07	.08	.07	.07	.06	.07	.09	.18	.14	.06
	.05%	.07%	.07%	.06%	.07%	.08%	.11%	.21%	.16%	.08%
143	.10	.11	.10	.10	.09	.10	.13	.27	.20	.09
	.07%	.11%	.10%	.09%	.10%	.11%	.15%	.31%	.23%	.11%
144	.11	.12	.11	.11	.10	.11	.15	.29	.21	.10
	.08%	.12%	.11%	.10%	.11%	.12%	.17%	.34%	.26%	.12%

FROM AREA SOURCES

WIND SECTOR	RECEPTOR 238	RECEPTOR 70	RECEPTOR 240	RECEPTOR 241	RECEPTOR 1	RECEPTOR 69	RECEPTOR 10	RECEPTOR 159	RECEPTOR 23	RECEPTOR 243
N	.18	.16	.18	.20	.20	.18	.54	2.63	1.98	.16
	.13%	.15%	.18%	.19%	.21%	.20%	.61%	3.03%	2.37%	.19%
NNE	.09	.07	.07	.09	.07	.05	.20	1.18	1.17	.04
	.06%	.06%	.06%	.09%	.08%	.05%	.23%	1.37%	1.39%	.04%
NE	.05	.03	.04	.05	.04	.02	.13	1.44	1.31	.02
	.04%	.03%	.03%	.05%	.04%	.03%	.15%	1.67%	1.56%	.03%
ENE	.08	.03	.04	.07	.06	.03	.15	1.94	1.66	.04
	.06%	.03%	.04%	.07%	.07%	.03%	.17%	2.24%	1.98%	.05%
E	.06	.02	.03	.05	.06	.02	.17	2.81	2.12	.03
	.05%	.02%	.03%	.06%	.06%	.03%	.19%	3.24%	2.53%	.04%
ESE	.04	.04	.03	.04	.04	.04	.15	1.97	1.35	.04
	.03%	.04%	.03%	.04%	.04%	.04%	.16%	2.28%	1.61%	.04%
SE	.04	.05	.04	.04	.03	.04	.13	1.79	1.16	.03
	.03%	.05%	.04%	.04%	.04%	.05%	.14%	2.06%	1.39%	.04%
SSE	.07	.07	.06	.07	.07	.07	.22	2.55	2.16	.07
	.05%	.07%	.05%	.07%	.08%	.08%	.24%	2.94%	2.58%	.08%
S	.23	.24	.20	.21	.20	.22	.93	4.73	3.88	.18
	.17%	.23%	.20%	.21%	.21%	.24%	1.04%	5.46%	4.63%	.22%
SSW	.49	.49	.38	.42	.39	.29	1.35	4.79	3.89	.26
	.36%	.47%	.37%	.41%	.41%	.32%	1.53%	5.53%	4.64%	.31%
SW	2.20	1.77	1.81	1.93	1.75	1.41	3.12	7.60	7.33	1.36
	1.63%	1.69%	1.76%	1.88%	1.85%	1.57%	3.52%	8.77%	8.75%	1.63%
WSW	3.89	3.45	3.30	3.47	3.49	3.09	4.86	6.65	7.61	3.18
	2.89%	3.31%	3.20%	3.39%	3.69%	3.43%	5.48%	7.67%	9.09%	3.81%
W	2.96	3.52	3.57	3.09	3.05	3.70	4.37	6.21	6.42	2.76
	2.20%	3.38%	3.45%	3.02%	3.23%	4.11%	4.93%	7.16%	7.67%	3.31%
WNW	.67	.81	.65	.60	.65	.72	1.16	3.51	3.29	.59
	.49%	.78%	.63%	.58%	.69%	.80%	1.30%	4.05%	3.93%	.71%
NW	.38	.33	.34	.35	.32	.25	.45	2.74	2.51	.27
	.28%	.32%	.32%	.34%	.34%	.28%	.51%	3.16%	2.99%	.32%
NNW	.23	.25	.18	.18	.16	.15	.37	2.40	1.69	.12
	.17%	.24%	.18%	.17%	.16%	.16%	.41%	2.76%	2.02%	.14%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
TOLEDO UNREGULATED 1985

****TOTALS****

WIND SECTOR	RECEPTOR 238	RECEPTOR 70	RECEPTOR 240	RECEPTOR 241	RECEPTOR 1	RECEPTOR 69	RECEPTOR 10	RECEPTOR 159	RECEPTOR 23	RECEPTOR 243
TOTAL	120.6+13.8	90.5+13.8	89.6+13.8	88.7+13.8	80.6+13.8	76.3+13.8	74.9+13.8	72.9+13.8	70.0+13.8	69.7+13.8

@BRKPT PRINTS

APPENDIX A

Urban CDM/CSDFP Counties

Final strategy (regulated) CSDFP/CDM results

CSDFP	CDM
Cleveland	Cleveland
Toledo	Toledo

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CLEV.-CSDFP
REGULATED PROJECTIONS
1980 & 1985

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REGULATED FORECASTS 1980, POINT SOURCES STRATEGY

CDM#	CO.	ALLOWABLE EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF REG) SO21980	NUNIT	FUEL HEAT GENERATION RATES 1980 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1980 PROCESS WEIGHT RATE (LBS/HR)
1	(1)	81.94	114.20	1.20	(1)	541.7	.0	.0	541.7	750.0	.0
2	(1)	216.84	302.20	1.20	(1)	1433.2	.0	.0	1433.2	1866.0	.0
3	(1)	70.50	70.50	4.30	(1)	130.1	.0	.0	130.1	150.0	.0
4	(1)	369.26	990.00	1.23	(1)	2380.3	.0	.0	2380.3	2210.0	.0
5	(1)	129.13	349.00	1.93	(1)	529.7	.0	.0	529.7	862.0	.0
6	(1)	120.99	327.00	1.94	(1)	495.8	.0	.0	495.8	862.0	.0
7	(1)	105.82	286.00	1.94	(1)	433.7	.0	.0	433.7	691.0	.0
8	(1)	108.41	293.00	1.94	(1)	444.2	.0	.0	444.2	691.0	.0
9	(1)	46.04	60.00	1.20	(1)	304.2	.0	.0	304.2	1096.0	.0
10	(1)	21.66	14.20	1.00	(1)	.0	172.4	.0	172.4	628.0	.0
11	(1)	4.26	2.90	.49	(1)	.0	68.6	.0	68.6	75.0	.0
12	(1)	20.16	54.50	9.99	(2)	.0	.0	.0	.0	.0	32015.0
13	(1)	28.50	28.50	2.11	(1)	.0	107.3	.0	107.3	243.0	.0
14	(1)	35.56	28.70	5.98	(8)	.0	.0	.0	.0	.0	94278.9
15	(1)	4.14	7.00	5.98	(8)	.0	.0	.0	.0	.0	21588.1
16	(1)	7.30	6.40	6.04	(8)	.0	.6	.0	.0	.0	19180.0
17	(1)	151.50	151.50	4.24	(1)	283.4	.0	.0	283.4	617.0	.0
18	(1)	13.40	13.40	1.23	(1)	88.8	.0	.0	88.8	141.0	.0
19	(1)	26.24	20.50	1.00	(1)	.0	208.6	.0	208.6	212.0	.0
20	(1)	.00	13.30	3.10	(1)	34.6	.0	.0	34.6	134.0	.0
21	(1)	2.43	3.20	.44	(1)	.0	43.5	.0	43.5	80.0	.0
22	(1)	1.14	1.50	.44	(1)	.0	20.4	.0	20.4	119.0	.0
23	(1)	3.60	3.60	19.03	(8)	.0	.0	.0	.0	.0	3000.0
24	(1)	5.10	5.10	1.45	(1)	27.8	.0	.0	27.8	71.0	.0
25	(1)	5.10	5.10	2.91	(1)	13.9	.0	.0	13.9	71.0	.0
26	(1)	11.45	4.90	6.01	(8)	.0	.0	.0	.0	.0	30213.3
27	(1)	12.42	29.30	2.24	(1)	43.9	.0	.0	43.9	44.0	.0
28	(1)	6.30	6.30	3.49	(1)	14.3	.0	.0	14.3	60.3	.0
29	(1)	3.90	3.90	.00	(11)	.0	.0	.0	.0	.0	389200.0
30	(1)	34.30	34.30	.00	(11)	.0	.0	.0	.0	.0	748600.0
31	(1)	1.91	4.00	.44	(1)	.0	31.8	2.6	34.5	53.0	.0
32	(1)	1.91	4.00	.44	(1)	.0	31.8	2.6	34.5	53.0	.0
33	(1)	1.91	4.00	.44	(1)	.0	31.8	2.6	34.5	53.0	.0
34	(1)	1.91	4.00	.44	(1)	.0	31.8	2.6	34.5	53.0	.0
35	(1)	1.91	4.00	.44	(1)	.0	31.8	2.6	34.5	53.0	.0
36	(1)	1.91	4.00	.44	(1)	.0	31.8	2.6	34.5	53.0	.0
37	(1)	8.61	8.70	.89	(1)	.0	69.3	7.5	76.8	122.0	.0
38	(1)	4.16	8.70	.43	(1)	.0	69.3	7.5	76.8	113.0	.0
39	(1)	5.07	10.60	.45	(1)	.0	84.4	5.6	90.0	138.0	.0
40	(1)	4.78	10.00	.42	(1)	.0	79.6	10.6	90.2	130.0	.0
41	(1)	9.10	18.60	.45	(1)	.0	148.1	11.2	159.3	243.0	.0
42	(1)	11.74	29.20	.40	(1)	.0	232.5	.0	232.5	664.0	.0
43	(1)	3.84	1.60	6.00	(8)	.0	.0	.0	.0	.0	10150.7
44	(1)	1.92	.80	6.00	(8)	.0	.0	.0	.0	.0	5075.3
45	(1)	42.14	9.80	4.60	(1)	16.9	.0	55.8	72.7	520.0	.0
46	(1)	42.14	9.80	4.60	(1)	16.9	.0	55.8	72.7	110.0	.0
47	(1)	3.90	3.90	6.00	(8)	.0	.0	.0	.0	.0	10310.0
48	(1)	9.73	21.50	1.70	(4)	.0	.0	145.2	145.2	.0	133048.2

REGULATED FORECASTS 1980. POINT SOURCES STRATEGY

CDM#	CO.	ALLOWABLE EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF REG) SO2 1980	UNIT	FUEL HEAT GENERATION RATES 1980 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1980 PROCESS WEIGHT RATE (LBS/HR)
49	(1)	5.89	12.40	1.70	(4)	.0	.0	89.1	89.1	.0	106090.8
50	(1)	3.93	8.70	1.70	(4)	.0	.0	56.9	56.9	.0	103699.4
51	(1)	3.98	8.70	1.70	(4)	.0	.0	56.9	56.9	.0	103699.4
52	(1)	3.98	8.70	1.70	(4)	.0	.0	56.9	56.9	.0	103699.4
53	(1)	3.98	8.70	1.70	(4)	.0	.0	56.9	56.9	.0	103699.4
54	(1)	3.98	8.70	1.70	(4)	.0	.0	56.9	56.9	.0	103699.4
55	(1)	.00	6.90	.00	(11)	6325.0	.0	6.1	6331.1	.0	113600.0
56	(1)	.00	6.90	.00	(11)	.0	40.5	6.1	46.7	.0	113600.0
57	(1)	1.06	2.30	1.70	(4)	.0	.0	16.2	16.2	.0	22609.5
58	(1)	1.06	2.30	1.70	(4)	.0	.0	16.2	16.2	.0	22609.5
59	(1)	1.06	2.30	1.70	(4)	.0	.0	16.2	16.2	.0	22609.5
60	(1)	1.06	2.30	1.70	(4)	.0	.0	16.2	16.2	.0	22609.5
61	(1)	1.06	2.30	1.70	(4)	.0	.0	16.2	16.2	.0	22609.5
62	(1)	1.06	2.30	1.70	(4)	.0	.0	16.2	16.2	.0	22609.5
63	(1)	.00	28.10	.00	(4)	.0	.0	153.4	153.4	.0	71200.0
64	(1)	.00	28.10	.00	(4)	.0	.0	153.4	153.4	.0	71200.0
65	(1)	.00	28.10	.00	(4)	.0	.0	153.4	153.4	.0	71200.0
66	(1)	.00	28.10	.00	(4)	.0	.0	153.4	153.4	.0	71200.0
67	(1)	.00	28.10	.00	(4)	.0	.0	153.4	153.4	.0	71200.0
68	(1)	.00	67.10	.00	(11)	.0	42.9	388.9	431.8	.0	332400.0
69	(1)	.00	67.10	.00	(11)	.0	42.9	388.9	431.8	.0	332400.0
70	(1)	.00	.60	.00	(4)	.0	.0	8.4	8.4	.0	63600.0
71	(1)	1.06	2.30	1.70	(4)	.0	.0	188.7	188.7	.0	22609.5
72	(1)	26.52	67.10	1.70	(4)	.0	46.6	422.8	469.4	.0	361317.3
73	(1)	3.85	8.90	1.70	(4)	.0	.0	52.7	52.7	.0	84133.4
74	(1)	3.85	8.90	1.70	(4)	.0	.0	52.7	52.7	.0	84133.4
75	(1)	9.61	22.10	1.70	(4)	.0	.0	151.9	151.9	.0	125656.7
76	(1)	10.01	23.10	1.70	(4)	.0	.0	92.0	92.0	.0	125656.7
77	(1)	2.19	4.80	1.70	(4)	.0	.0	20.2	20.2	.0	108047.3
78	(1)	12.53	27.40	1.70	(4)	.0	.0	115.2	115.2	.0	100221.0
79	(1)	12.53	27.40	1.70	(4)	.0	.0	115.2	115.2	.0	100221.0
80	(1)	12.53	27.40	1.70	(4)	.0	.0	115.2	115.2	.0	100221.0
81	(1)	59.00	133.10	1.20	(1)	367.9	.0	21.9	389.9	461.0	.0
82	(1)	48.06	36.95	1.20	(1)	74.7	.0	242.9	317.6	388.0	.0
83	(1)	28.91	15.20	.98	(1)	.0	102.5	132.5	235.0	450.0	.0
84	(1)	45.91	35.20	1.00	(1)	.0	30.1	333.7	363.8	336.0	.0
85	(1)	43.53	33.80	.95	(1)	.0	28.6	336.7	365.3	336.0	.0
86	(1)	44.87	34.40	.97	(1)	.0	29.6	335.6	365.3	336.0	.0
87	(1)	44.35	14.57	1.05	(1)	.0	.0	333.3	333.3	460.0	.0
88	(1)	4.35	8.20	.52	(1)	.0	66.0	.0	66.0	171.0	.0
89	(1)	2.60	2.60	.00	(11)	630.5	.0	.0	630.5	.0	173400.0
90	(1)	2.60	2.60	.00	(11)	.0	.0	.0	.0	.0	276100.0
91	(1)	4.63	2.90	.49	(1)	.0	74.3	.0	74.3	67.0	.0
92	(1)	4.63	2.90	.49	(1)	.0	74.3	.0	74.3	67.0	.0
93	(1)	4.63	2.90	.49	(1)	.0	74.3	.0	74.3	67.0	.0
94	(1)	4.63	2.90	.49	(1)	.0	74.3	.0	74.3	67.0	.0
95	(1)	4.63	2.90	.49	(1)	.0	74.3	.0	74.3	67.0	.0
96	(1)	4.47	2.80	.49	(1)	.0	71.7	.0	71.7	67.0	.0

REGULATED FORECASTS 1980. POINT SOURCES STRATEGY

CDM#	CO.	ALLOWABLE EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF REG) SO2/MBU	AGNT	FUEL HEAT GENERATION RATES 1980 COAL (MMBTU/HR)	OIL (MMBTU/HR)	GAS (MMBTU/HR)	TOTAL (MMBTU/HR)	RATED BOILER CAPACITY (MMBTU/HR)	1980 PROCESS WEIGHT RATE (LBS/HR)
97	(1)	21.95	29.70	2.05	(1)	85.1	.0	.0	85.1	75.0	.0
98	(1)	21.95	29.70	2.05	(1)	85.1	.0	.0	85.1	75.0	.0
99	(1)	5.18	11.90	1.30	(1)	31.6	.0	.0	31.6	29.0	.0
100	(1)	5.18	11.90	1.30	(1)	31.6	.0	.0	31.6	29.0	.0
101	(1)	5.18	11.90	1.30	(1)	31.6	.0	.0	31.6	29.0	.0
102	(1)	.00	.00	1.30	(1)	.0	.0	.0	.0	29.0	.0
103	(1)	.00	.00	1.30	(1)	.0	.0	.0	.0	29.0	.0
104	(3)	6.20	6.20	1.40	(1)	.0	.0	.0	.0	469.0	.0
105	(3)	176.46	900.00	1.40	(1)	999.6	.0	.0	999.6	1288.0	.0
106	(3)	176.05	697.00	1.40	(1)	997.2	.0	.0	997.2	1288.0	.0
107	(3)	180.17	712.00	1.40	(1)	1020.5	.0	.0	1020.5	1288.0	.0
108	(3)	324.55	1284.00	1.40	(1)	1838.4	.0	.0	1838.4	2243.0	.0
109	(3)	873.27	3455.00	1.40	(1)	4946.6	.0	.0	4946.6	5969.0	.0
110	(3)	.00	205.40	.00	(1)	310.5	.0	.0	310.5	367.0	.0
111	(3)	.00	223.40	.00	(1)	338.9	.0	.0	338.9	428.0	.0
112	(3)	.00	253.30	.00	(1)	352.8	.0	.0	352.8	424.0	.0
113	(3)	.00	238.30	.00	(1)	367.0	.0	.0	367.0	466.0	.0
114	(3)	.00	77.80	.00	(1)	102.6	.0	.0	102.6	160.0	.0
115	(3)	.00	77.60	.00	(1)	112.1	.0	.0	112.1	160.0	.0
116	(3)	.00	2.70	.00	(1)	.0	22.2	.0	22.2	173.0	.0
117	(3)	.00	9.60	.00	(1)	.0	22.2	.0	22.2	277.0	.0
118	(3)	.00	5.00	.00	(1)	.0	61.6	.0	61.6	91.0	.0
119	(3)	.00	3.40	.00	(1)	.0	61.6	.0	61.6	97.0	.0
120	(3)	.00	7.30	.00	(8)	.0	.0	.0	.0	.0	50000.0
121	(3)	.00	71.50	.00	(1)	103.3	.0	.0	103.3	160.0	.0
122	(3)	17.64	29.40	3.41	(1)	41.1	.0	.0	41.1	90.0	.0
123	(3)	15.42	25.70	3.40	(1)	35.9	.0	.0	35.9	84.0	.0
124	(3)	4.58	.90	4.22	(1)	.0	8.8	.0	8.8	40.0	.0
125	(3)	3.28	.40	4.17	(1)	.0	6.2	.0	6.2	41.0	.0
126	(3)	45.40	45.40	5.77	(1)	62.4	.0	.0	62.4	100.0	.0
127	(3)	201.30	201.30	5.20	(1)	307.2	.0	.0	307.2	719.5	.0
128	(3)	44.55	.00	1.20	(1)	294.4	.0	.0	294.4	276.4	.0
129	(3)	48.90	48.90	4.21	(8)	198.0	.0	.0	198.0	.0	184400.0
130	(1)	6.72	4.90	.95	(1)	56.0	.0	.0	56.0	77.8	.0
131	(3)	51.73	66.90	2.05	(1)	83.6	116.9	.0	200.5	331.0	.0
132	(2)	12.97	11.50	.97	(1)	.0	106.3	.0	106.3	120.0	.0
133	(1)	6.72	4.90	.95	(1)	56.0	.0	.0	56.0	77.8	.0
134	(1)	6.72	4.90	.95	(1)	56.0	.0	.0	56.0	95.0	.0
135	(1)	9.43	23.10	1.37	(1)	54.5	.0	.0	54.5	225.0	.0
136	(1)	10.66	23.10	1.55	(1)	54.5	.0	.0	54.5	150.0	.0
137	(1)	9.08	40.40	4.89	(2)	.0	.0	.0	.0	.0	29997.5
138	(1)	17.40	17.40	4.25	(1)	32.5	.0	.0	32.5	68.0	.0
139	(1)	14.61	2.40	1.62	(1)	71.5	.0	.0	71.5	129.0	.0
140	(1)	15.70	2.70	1.47	(1)	66.5	.0	.0	66.5	80.0	.0
141	(2)	116.48	112.00	1.14	(1)	.0	807.3	.0	807.3	1114.0	.0
142	(2)	116.48	112.00	1.14	(1)	.0	807.3	.0	807.3	1114.0	.0
143	(2)	116.48	112.00	1.14	(1)	.0	807.3	.0	807.3	1114.0	.0
144	(2)	116.48	112.00	1.14	(1)	.0	807.3	.0	807.3	1114.0	.0

REGULATED FORECASTS 1980. POINT SOURCES STRATEGY

CDM#	CO.	ALLOWABLE EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF REG) SO2 1980	NOX II	FUEL HEAT GENERATION RATES 1980 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1980 PROCESS WEIGHT RATE (LBS/HR)
145	(2)	103.04	446.00	1.13	(1)	720.9	.0	.0	720.9	1029.0	.0
146	(2)	102.81	447.00	1.13	(1)	719.6	.0	.0	719.6	1029.0	.0
147	(2)	273.47	1184.00	1.13	(1)	1914.0	.0	.0	1914.0	2170.0	.0
148	(2)	741.98	3220.00	1.13	(1)	5193.5	.0	.0	5193.5	5880.0	.0
149	(2)	7.29	11.95	.87	(1)	.0	66.6	.0	66.6	74.0	.0
150	(2)	1.01	1.00	.87	(1)	.0	9.2	.0	9.2	74.0	.0
151	(2)	16.83	41.76	1.99	(1)	67.3	.0	.0	67.3	74.7	.0
152	(2)	19.94	40.70	1.80	(1)	87.9	.0	.0	87.9	97.6	.0
153	(2)	19.94	40.70	1.80	(1)	87.9	.0	.0	87.9	97.6	.0
154	(2)	19.94	40.70	1.80	(1)	87.9	.0	.0	87.9	97.6	.0
155	(2)	288.12	379.10	3.50	(1)	653.4	.0	.0	653.4	962.0	.0
156	(2)	336.64	443.00	3.50	(1)	763.6	.0	.0	763.6	1125.0	.0
157	(2)	10.95	7.30	1.17	(1)	.0	74.2	.0	74.2	111.0	.0
158	(2)	10.95	7.30	1.17	(1)	.0	74.2	.0	74.2	111.0	.0
159	(2)	10.95	7.30	1.17	(1)	.0	74.2	.0	74.2	111.0	.0
160	(2)	10.95	7.30	1.17	(1)	.0	74.2	.0	74.2	111.0	.0
161	(2)	10.95	7.30	1.17	(1)	.0	74.2	.0	74.2	111.0	.0
162	(2)	10.95	7.30	1.17	(1)	.0	74.2	.0	74.2	111.0	.0
163	(2)	21.60	14.40	1.17	(1)	.0	146.5	.0	146.5	219.0	.0
164	(2)	21.60	14.40	1.17	(1)	.0	146.5	.0	146.5	219.0	.0
165	(2)	21.60	14.40	1.17	(1)	.0	146.5	.0	146.5	219.0	.0
166	(2)	11.46	11.40	.34	(1)	.0	262.9	.0	262.9	350.0	.0
167	(2)	5.26	15.40	.75	(4)	.0	.0	109.9	109.9	.0	82200.0
168	(2)	15.39	45.20	.75	(4)	.0	.0	321.5	321.5	150.0	240600.0
169	(2)	13.94	41.60	.75	(4)	.0	.0	292.2	292.2	400.0	219400.0
170	(2)	7.92	23.30	.75	(4)	.0	.0	165.6	165.6	.0	437400.0
171	(2)	1.76	5.20	.75	(4)	.0	.0	36.8	36.8	.0	97200.0
172	(2)	3.52	10.30	.75	(4)	.0	.0	73.6	73.6	.0	194400.0
173	(2)	.31	.94	.75	(4)	.0	.0	6.4	6.4	.0	77200.0
174	(2)	3.94	11.70	.75	(4)	.0	.0	82.3	82.3	.0	137400.0
175	(2)	.53	1.50	.75	(4)	.0	.0	11.0	11.0	.0	137400.0
176	(2)	1.13	3.40	.75	(4)	.0	.0	23.7	23.7	.0	142600.0
177	(2)	1.05	3.00	.75	(4)	.0	.0	21.9	21.9	.0	137400.0
178	(2)	2.83	8.30	.75	(4)	.0	.0	59.0	59.0	.0	92000.0
179	(2)	1.60	4.70	.75	(4)	.0	.0	33.4	33.4	.0	20000.0
180	(2)	2.11	6.20	.75	(4)	.0	.0	44.1	44.1	.0	26400.0
181	(2)	3.15	9.20	.75	(4)	.0	.0	65.9	65.9	.0	40500.0
182	(1)	15.73	3.10	1.62	(1)	76.9	.0	.0	76.9	129.0	.0
183	(1)	12.46	2.10	1.87	(1)	52.5	.0	.0	52.5	80.0	.0
184	(3)	3.01	.40	4.16	(1)	.0	5.7	.0	5.7	41.0	.0
185	(3)	3.01	.40	4.16	(1)	.0	5.7	.0	5.7	41.0	.0
186	(2)	5.13	15.10	.34	(1)	.0	.0	107.6	107.6	100.0	.0
187	(2)	5.13	15.10	.34	(1)	.0	.0	107.6	107.6	100.0	.0
188	(2)	5.13	15.10	.34	(1)	.0	.0	107.6	107.6	100.0	.0
189	(2)	2.85	19.20	.33	(4)	.0	.0	136.8	136.8	.0	77200.0
190	(2)	.35	2.30	.35	(4)	.0	.0	15.6	15.6	.0	92000.0
191	(3)	7.74	2.00	19.95	(8)	.0	.0	.0	.0	.0	6150.0

CUYAHO	2473.63	[illegible]	15473.0	2367.6	5415.0	23256.2	18777.9	5260218.6
LORAIN	2635.05	7112.39	10213.7	4559.2	1822.4	16677.4	19809.5	2251300.0
LAKE	2163.36	9439.20	12512.2	311.1	.0	12823.2	17111.9	240550.0
TOT 1974		20042.00	38176.9	7038.1	6938.2	52153.2	55699.3	7561871.7
TOT 1980	7292.05		38281.1	7237.8	7237.4	52756.9	55699.3	7752068.6

SOURCE CATEGORY IDENTIFICATION NO

UNITS OF ALLOWABLE LIMITATION (CONT'D)

(1) - FUEL COMBUSTION, INDIRECT HEAT EXCHANGERS (UTILITY AND INDUSTRIAL BOILERS) (LBS OF SO2/MMBTU OF RATED OR MAX. HEAT INPUT)
(2) - SULFURIC ACID PLANT (LBS OF SO2/TON OF 100% ACID PRODUCED) (SICC=2819)
(3) - SULFUR RECOVERY PLANT (LBS. OF SULFUR/1000 LBS OF SULFUR PROCESSED) (SICC=2820)
(4) - COKE OVEN GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF COG) (SICC=3313, 3314)
(5) - CATALYTIC CRACKING UNITS (LBS OF SO2 PER 1000 LBS OF CHARGING STOCK) (SICC=2990)
(6) - REFINERY TREATING OPERATIONS (PPM SO2 IN EXHAUST GAS) (SICC=2991)
(7) - REFINERY OFF - GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF OHG) (SICC=2993)
(8) - GENERAL PROCESSES (LBS OF SO2/TON PROCESS WT)
(9) - GENERAL PROCESSES (PPM SO2 IN EXHAUST GAS) (SICC=2001)
(10) - INDUSTRIAL PROCESS FUEL COMBUSTION LIMITATION (LBS OF SO2(MMBTU) IE. (COG OR OHG COMBUSTION FOR REFINERY OR IRON & STEEL BOILERS, FURNACES, SOAKING PITS, PROCESS HEATERS OR FLARES) (SICC=2393)

(11) - NON CATEGORY SOURCES

POLITICAL JURISDICTION (CO.)

(1) CUYAHO
(2) LORAIN
(3) LAKE

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UNREGULATED FORECASTS 1980 AREA SOURCES

CDM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (MILES)
192	3.50	3.53	9.60	0.25
193	3.86	3.91	12.30	0.25
194	6.71	6.79	11.50	0.25
195	21.00	21.24	11.70	25.00
196	19.76	19.98	11.30	25.00
197	15.03	15.22	12.90	0.25
198	6.23	6.29	10.50	0.25
199	10.55	10.68	12.10	0.25
200	9.86	9.98	12.00	0.25
201	1.95	1.97	10.60	0.25
202	12.37	12.52	12.00	0.25
203	11.38	11.52	12.00	0.25
204	7.90	7.98	10.50	0.25
205	13.77	13.89	8.90	25.00
206	22.11	22.36	11.50	25.00
207	1.77	1.78	6.70	25.00
208	8.23	8.32	11.50	0.25
209	20.76	21.01	12.10	0.25
210	15.17	15.35	12.10	0.25
211	15.09	15.25	11.00	0.25
212	8.34	8.42	10.00	0.25
213	7.90	7.99	11.60	0.25
214	13.00	13.15	11.60	0.25
215	30.05	30.41	12.10	0.25
216	20.38	20.62	12.10	0.25
217	13.52	13.67	11.00	0.25
218	13.21	13.36	11.20	0.25
219	7.69	7.78	12.00	0.25
220	7.27	7.35	11.40	25.00
221	5.52	5.58	11.30	25.00
222	16.10	16.30	12.70	0.25
223	21.33	21.59	12.20	0.25
224	18.37	18.58	11.30	0.25
225	5.43	5.49	12.00	0.25
226	15.30	15.48	12.00	0.25
227	19.06	19.29	12.00	0.25
228	7.35	7.43	11.30	0.25
229	26.98	27.30	11.90	0.25
230	9.29	9.40	11.90	0.25
231	16.34	16.53	11.90	0.25
232	16.55	16.77	11.90	0.25
233	9.49	9.60	11.60	0.25
234	21.64	21.84	11.60	25.00
235	4.25	4.30	11.20	25.00
236	2.63	2.63	.00	0.25
237	1.74	1.75	6.90	0.25
238	19.67	19.90	11.90	0.25
239	21.84	22.10	12.10	0.25

UNREGULATED FORECASTS 1980 AREA SOURCES

CDM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
240	20.61	20.85	11.90	0.25
241	20.55	20.79	12.00	0.25
242	14.14	14.35	11.70	0.25
243	5.23	5.28	9.70	0.25
244	2.40	2.40	.00	1.50
245	1.38	1.40	11.10	1.50
246	5.03	5.06	10.20	0.25
247	3.49	3.53	11.80	0.25
248	6.81	6.88	11.00	0.25
249	12.37	12.51	11.80	25.00
250	8.33	8.42	11.50	25.00
251	2.14	2.16	11.80	0.25
252	43.74	44.10	8.30	0.25
253	30.44	30.80	12.10	0.25
254	20.15	20.40	12.50	0.25
255	16.71	16.90	11.60	0.25
256	9.75	9.86	11.60	0.25
257	.82	.83	11.90	0.25
258	2.86	2.87	3.60	0.25
259	.28	.28	10.40	0.25
260	36.20	36.20	.00	0.25
261	44.67	45.20	11.90	0.25
262	23.92	24.20	11.90	0.25
263	11.38	11.52	12.30	25.00
264	66.66	67.46	12.20	0.25
265	5.97	6.04	12.00	0.25
266	.92	.93	11.90	0.25
267	6.25	6.29	6.50	25.00
268	7.56	7.65	11.40	25.00
269	1.66	1.68	11.00	0.25
270	16.03	16.23	12.50	0.25
271	35.27	35.67	11.50	0.25
272	16.49	16.69	12.00	0.25
273	19.24	19.51	12.10	0.25
274	59.38	60.10	12.30	0.25
275	21.07	21.32	12.00	0.25
276	3.92	3.96	11.50	0.25
277	1.48	1.50	12.10	0.25
278	13.50	13.63	10.00	0.25
279	18.37	18.59	12.10	0.25
280	23.95	24.24	12.10	0.25
281	16.64	16.84	12.10	0.25
282	22.27	22.55	11.90	0.25
283	2.21	2.24	12.00	0.25
284	.28	.28	12.00	0.25
285	43.77	43.77	.00	0.25
286	[illegible]	[illegible]	[illegible]	[illegible]
287	[illegible]	[illegible]	[illegible]	[illegible]

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UNREGULATED FORECASTS 1980 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
288	2.26	2.26	.00	0.25
289	23.36	23.64	11.90	0.25
290	10.97	11.10	12.20	0.25
291	7.43	7.52	11.60	0.25
292	10.28	10.39	11.20	0.25
293	17.31	17.51	11.50	0.25
294	16.55	16.75	12.00	0.25
295	3.40	3.44	11.60	0.25
296	8.89	8.99	11.30	0.25
297	23.11	23.11	.00	0.25
298	7.48	7.57	11.30	0.25
299	11.47	11.60	11.50	0.25
300	1.37	1.39	11.60	0.25
301	4.45	4.48	6.50	0.25
302	9.75	9.86	11.40	0.25
303	8.23	8.32	11.20	0.25
304	5.48	6.55	11.50	0.25
305	7.38	7.46	10.50	0.25
306	10.29	10.40	11.30	0.25
307	3.57	3.61	11.50	0.25
308	1.45	1.47	12.50	0.25
309	1.16	1.17	10.20	0.25
310	6.05	6.11	10.20	0.25
311	2.92	2.95	11.30	0.25
312	3.86	3.91	12.20	0.25
313	1.40	1.41	10.00	0.25
314	25.52	25.79	10.60	25.00
315	9.42	9.53	11.90	25.00
316	5.96	6.03	12.00	25.00
317	9.16	9.26	11.40	25.00
318	2.46	2.49	10.70	25.00
319	2.65	2.68	10.80	25.00
320	1.63	1.65	10.10	25.00
321	4.94	4.97	5.50	25.00
322	2.33	2.36	12.10	25.00
323	1.75	1.75	1.40	25.00
324	.09	.09	1.70	25.00
325	2.72	2.66	62.30	25.00
326	1.68	1.66	38.40	25.00
327	.04	.04	61.30	25.00
328	.87	.87	60.70	25.00
329	1.12	1.10	53.30	25.00
330	8.46	8.31	57.10	25.00
331	.64	.62	55.40	25.00
332	.57	.56	58.20	25.00
333	.09	.09	57.00	25.00
334	.48	.47	51.30	25.00
335	.60	.59	37.50	25.00

UNREGULATED FORECASTS 1980 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
336	2.90	2.93	51.90	25.00
337	2.52	2.47	55.40	25.00
338	1.82	1.78	55.90	25.00
339	2.40	2.37	37.20	25.00
340	.47	.46	33.50	25.00
341	.09	.09	47.00	25.00
342	1.55	1.52	59.20	25.00
343	.44	.44	8.50	25.00
344	5.23	5.14	46.90	25.00
345	10.88	10.66	56.80	25.00
346	1.13	1.11	39.40	25.00
347	.72	.72	7.60	25.00
348	.09	.09	45.30	25.00
349	.09	.09	27.00	25.00
350	.09	.09	56.30	25.00
351	2.74	2.71	30.90	25.00
352	4.31	4.24	43.60	25.00
353	7.97	7.85	6.70	25.00
354	6.43	6.41	7.50	25.00
355	.77	.77	.00	25.00
356	.09	.09	.00	25.00
357	.44	.44	.00	25.00
358	.44	.44	.00	25.00
359	.54	.53	44.40	25.00
360	2.05	2.01	49.10	25.00
361	1.19	1.19	.00	25.00
362	2.16	2.13	33.40	25.00
363	.58	.58	32.10	25.00
364	.54	.54	.00	25.00
365	.56	.56	12.80	25.00
366	.58	.58	10.20	25.00
367	.46	.45	52.20	25.00
368	1.57	1.54	51.30	25.00
369	.71	.70	50.50	25.00
370	2.39	2.35	51.90	25.00
371	.41	.40	39.10	25.00
372	.96	.96	.00	25.00
373	.52	.55	51.30	25.00
374	.71	.73	27.30	25.00
375	14.76	14.40	54.30	6.25
376	4.55	4.34	59.90	6.25
377	4.30	4.25	48.00	6.25
378	1.82	1.78	41.70	6.25
379	3.50	3.00	.00	6.25
380	2.20	2.22	.00	6.25
381	.72	.72	.00	6.25
382	2.84	3.00	55.90	25.00
383	2.25	2.20	33.10	6.25

UNREGULATED FORECASTS 1980 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1980	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
384	2.05	2.00	54.60	0.25
385	3.08	3.00	54.80	0.25
386	8.58	8.40	42.80	25.00
387	4.86	4.80	.00	25.00
388	2.38	2.40	42.80	25.00
389	1.58	1.56	27.30	0.25
390	1.54	1.51	45.10	0.25
391	6.25	6.10	49.20	25.00
392	3.46	3.38	45.40	25.00
393	2.55	2.49	50.70	25.00
394	2.60	2.54	46.60	25.00
395	.12	.12	48.20	0.25
396	4.71	4.64	31.00	0.25
397	1.17	1.15	26.70	0.25
398	4.71	4.60	48.70	0.25
399	9.43	9.20	51.40	25.00
400	3.44	3.35	52.30	25.00
401	3.89	3.81	45.00	25.00
402	3.74	3.67	38.30	25.00
403	2.57	2.54	21.80	25.00
404	3.84	3.75	49.30	25.00
405	3.71	3.69	11.80	25.00
406	1.47	1.43	50.00	25.00
407	1.02	1.00	50.00	25.00
408	4.22	4.12	50.00	25.00
409	3.00	2.93	50.00	25.00
410	1.13	1.10	50.00	25.00
411	2.62	2.56	50.00	25.00
412	4.17	4.07	50.00	25.00
413	3.73	3.64	50.00	25.00
414	1.02	1.00	50.00	25.00
415	6.02	6.20	30.00	1.56
416	18.91	19.00	5.00	1.56
417	8.92	9.10	20.00	1.56
418	6.93	7.00	10.00	1.56
419	2.75	2.80	20.00	1.56
420	1.38	1.40	15.00	1.56
CUYAHO	1699.47	1717.97	1883.40	1350.00
LORAIN	98.29	97.97	1746.90	1250.00
LAKE	133.73	130.99	1543.60	650.00
TOT 1974		1936.03		
TOT 1980	1921.49		4973.90	3250.00

REGULATED FORECASTS 1985. POINT SOURCES STRATEGY

COMM	CO.	ALLOWABLE EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF REG) SO2 1985	UNIT	FUEL HEAT GENERATION RATES 1985 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
1	(1)	81.94	114.20	1.20	(1)	541.7	.0	.0	541.7	750.0	.0
2	(1)	216.88	302.20	1.20	(1)	1433.2	.0	.0	1433.2	1866.0	.0
3	(1)	70.50	70.50	4.30	(1)	130.1	.0	.0	130.1	150.0	.0
4	(1)	369.26	958.00	1.23	(1)	2380.3	.0	.0	2380.3	2210.0	.0
5	(1)	129.13	349.00	1.93	(1)	529.7	.0	.0	529.7	862.0	.0
6	(1)	123.99	327.00	1.94	(1)	495.8	.0	.0	495.8	862.0	.0
7	(1)	105.82	280.00	1.94	(1)	433.7	.0	.0	433.7	691.0	.0
8	(1)	108.41	293.00	1.94	(1)	444.2	.0	.0	444.2	691.0	.0
9	(1)	46.04	60.00	1.20	(1)	304.2	.0	.0	304.2	1096.0	.0
10	(1)	21.66	18.20	1.00	(1)	.0	172.4	.0	172.4	628.0	.0
11	(1)	4.26	2.90	.49	(1)	.0	68.6	.0	68.6	75.0	.0
12	(1)	20.16	54.50	2.99	(2)	.0	.0	.0	.0	.0	32015.0
13	(1)	28.50	28.50	2.11	(1)	.0	107.3	.0	107.3	243.0	.0
14	(1)	38.12	28.70	5.93	(8)	.0	.0	.0	.0	.0	101065.8
15	(1)	8.73	7.00	5.93	(8)	.0	.0	.0	.0	.0	23142.1
16	(1)	7.33	6.40	6.04	(8)	.0	.0	.0	.0	.0	20560.8
17	(1)	151.50	151.50	4.24	(1)	283.4	.0	.0	283.4	617.0	.0
18	(1)	13.40	13.40	1.20	(1)	88.8	.0	.0	88.8	141.0	.0
19	(1)	26.24	20.50	1.00	(1)	.0	208.6	.0	208.6	212.0	.0
20	(1)	.00	13.30	3.10	(1)	34.6	.0	.0	34.6	134.0	.0
21	(1)	3.29	3.20	.44	(1)	.8	56.7	.0	56.7	80.0	.0
22	(1)	1.54	1.50	.44	(1)	.0	27.5	.0	27.5	119.0	.0
23	(1)	3.60	3.60	19.03	(8)	.0	.0	.0	.0	.0	3000.0
24	(1)	5.10	5.10	1.46	(1)	27.8	.0	.0	27.8	71.0	.0
25	(1)	5.10	5.10	2.91	(1)	13.9	.0	.0	13.9	71.0	.0
26	(1)	13.10	8.90	6.01	(8)	.0	.0	.0	.0	.0	34560.0
27	(1)	12.42	29.30	2.24	(1)	43.9	.0	.0	43.9	44.0	.0
28	(1)	6.30	6.30	3.49	(1)	14.3	.0	.0	14.3	60.3	.0
29	(1)	3.90	3.90	.00	(11)	.0	.0	.0	.0	.0	389200.0
30	(1)	34.30	34.30	.00	(11)	.0	.0	.0	.0	.0	748600.0
31	(1)	2.05	4.00	.44	(1)	.0	34.1	2.8	36.9	53.0	.0
32	(1)	2.05	4.00	.44	(1)	.0	34.1	2.8	36.9	53.0	.0
33	(1)	2.05	4.00	.44	(1)	.0	34.1	2.8	36.9	53.0	.0
34	(1)	2.05	4.00	.44	(1)	.0	34.1	2.8	36.9	53.0	.0
35	(1)	2.05	4.00	.44	(1)	.0	34.1	2.8	36.9	53.0	.0
36	(1)	2.05	4.00	.44	(1)	.0	34.1	2.8	36.9	53.0	.0
37	(1)	9.23	8.70	.89	(1)	.0	74.2	8.1	82.3	122.0	.0
38	(1)	4.46	8.70	.43	(1)	.0	74.2	8.1	82.3	113.0	.0
39	(1)	5.43	16.60	.45	(1)	.0	90.5	6.0	96.5	138.0	.0
40	(1)	5.13	10.00	.42	(1)	.0	85.3	11.4	96.7	130.0	.0
41	(1)	9.75	16.60	.45	(1)	.0	158.7	12.0	170.7	243.0	.0
42	(1)	12.59	29.20	.40	(1)	.0	249.2	.0	249.2	664.0	.0
43	(1)	3.34	1.60	6.60	(8)	.0	.0	.0	.0	.0	10150.7
44	(1)	1.92	.80	6.00	(8)	.0	.0	.0	.0	.0	5075.3
45	(1)	42.14	9.80	4.60	(1)	16.9	.0	55.8	72.7	520.0	.0
46	(1)	42.14	9.80	4.60	(1)	16.9	.0	55.8	72.7	110.0	.0
47	(1)	3.90	3.90	6.00	(8)	.0	.0	.0	.0	.0	10310.0
48	(1)	10.43	21.30	1.70	(4)	.0	.0	155.6	155.6	.0	142626.1

REGULATED FORECASTS 1985. POINT SOURCES STRATEGY

CDM#	CO.	ALLOWABLE EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF REG) SO21985	NUNIT	FUEL HEAT GENERATION RATES 1985 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
49	(1)	6.31	12.90	1.70	(4)	.0	.0	95.5	95.5	.0	113728.0
50	(1)	4.27	8.70	1.70	(4)	.0	.0	61.0	61.0	.0	111164.4
51	(1)	4.27	8.70	1.70	(4)	.0	.0	61.0	61.0	.0	111164.4
52	(1)	4.27	8.70	1.70	(4)	.0	.0	61.0	61.0	.0	111164.4
53	(1)	4.27	8.70	1.70	(4)	.0	.0	61.0	61.0	.0	111164.4
54	(1)	4.27	8.70	1.70	(4)	.0	.0	61.0	61.0	.0	111164.4
55	(1)	.00	6.80	.00	(11)	6325.0	.0	6.1	6331.1	.0	113600.0
56	(1)	.00	6.90	.00	(11)	.0	40.5	6.1	46.7	.0	113600.0
57	(1)	1.14	2.30	1.70	(4)	.0	.0	17.4	17.4	.0	24237.1
58	(1)	1.14	2.30	1.70	(4)	.0	.0	17.4	17.4	.0	24237.1
59	(1)	1.14	2.30	1.70	(4)	.0	.0	17.4	17.4	.0	24237.1
60	(1)	1.14	2.30	1.70	(4)	.0	.0	17.4	17.4	.0	24237.1
61	(1)	1.14	2.30	1.70	(4)	.0	.0	17.4	17.4	.0	24237.1
62	(1)	1.14	2.30	1.70	(4)	.0	.0	17.4	17.4	.0	24237.1
63	(1)	.00	28.10	.00	(4)	.0	.0	153.4	153.4	.0	71200.0
64	(1)	.00	28.10	.00	(4)	.0	.0	153.4	153.4	.0	71200.0
65	(1)	.00	28.10	.00	(4)	.0	.0	153.4	153.4	.0	71200.0
66	(1)	.00	28.10	.00	(4)	.0	.0	153.4	153.4	.0	71200.0
67	(1)	.00	28.10	.00	(4)	.0	.0	153.4	153.4	.0	71200.0
68	(1)	.00	67.10	.00	(11)	.0	42.9	388.9	431.8	.0	332400.0
69	(1)	.00	67.10	.00	(11)	.0	42.9	388.9	431.8	.0	332400.0
70	(1)	.00	.60	.00	(4)	.0	.0	8.4	8.4	.0	63600.0
71	(1)	1.14	2.30	1.70	(4)	.0	.0	202.3	202.3	.0	24237.1
72	(1)	28.43	67.10	1.70	(4)	.0	49.9	453.2	503.2	.0	387327.7
73	(1)	4.12	8.50	1.70	(4)	.0	.0	56.5	56.5	.0	90190.0
74	(1)	4.12	8.50	1.70	(4)	.0	.0	56.5	56.5	.0	90190.0
75	(1)	10.30	22.10	1.70	(4)	.0	.0	162.8	162.8	.0	134702.4
76	(1)	10.73	23.10	1.70	(4)	.0	.0	98.6	98.6	.0	134702.4
77	(1)	2.35	4.80	1.70	(4)	.0	.0	21.6	21.6	.0	115825.4
78	(1)	13.43	27.40	1.70	(4)	.0	.6	123.5	123.5	.0	107435.7
79	(1)	13.43	27.40	1.70	(4)	.0	.0	123.5	123.5	.0	107435.7
80	(1)	13.43	27.40	1.70	(4)	.0	.0	123.5	123.5	.0	107435.7
81	(1)	63.24	133.10	1.20	(1)	394.5	.0	23.5	418.0	461.0	.0
82	(1)	51.52	36.45	1.20	(1)	80.1	.0	260.4	340.5	388.0	.0
83	(1)	31.00	15.20	.98	(1)	.0	109.9	142.0	251.9	450.0	.0
84	(1)	46.22	35.20	1.00	(1)	.0	32.2	357.7	390.0	336.0	.0
85	(1)	46.94	33.60	.95	(1)	.0	30.6	361.0	391.6	336.0	.0
86	(1)	48.10	34.60	.97	(1)	.0	31.7	359.8	391.6	336.0	.0
87	(1)	47.54	14.57	1.65	(1)	.0	.0	357.3	357.3	460.0	.0
88	(1)	5.00	8.20	.52	(1)	.0	75.8	.0	75.8	171.0	.0
89	(1)	2.50	2.60	.00	(11)	630.5	.0	.0	630.5	.0	173400.0
90	(1)	2.59	2.60	.00	(11)	.0	.0	.0	.0	.0	276100.0
91	(1)	4.97	2.90	.49	(1)	.0	79.7	.0	79.7	67.0	.0
92	(1)	4.97	2.90	.49	(1)	.0	79.7	.0	79.7	67.0	.0
93	(1)	4.97	2.90	.49	(1)	.0	79.7	.0	79.7	67.0	.0
94	(1)	4.97	2.90	.49	(1)	.0	79.7	.0	79.7	67.0	.0
95	(1)	4.97	2.90	.49	(1)	.0	79.7	.0	79.7	67.0	.0
96	(1)	4.80	2.80	.49	(1)	.0	76.9	.0	76.9	67.0	.0

REGULATED FORECASTS 1985. POINT SOURCES STRATEGY

COM#	CO.	ALLOWABLE EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF REG) SO2 1985		FUEL HEAT GENERATION RATES 1985 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
97	(1)	22.01	29.70	2.05	(1)	85.3	.0	.0	85.3	75.0	.0
98	(1)	22.01	29.70	2.05	(1)	85.3	.0	.0	85.3	75.0	.0
99	(1)	5.18	11.70	1.30	(1)	31.6	.0	.0	31.6	29.0	.0
100	(1)	5.18	11.90	1.30	(1)	31.6	.0	.0	31.6	29.0	.0
101	(1)	5.18	11.90	1.30	(1)	31.6	.0	.0	31.6	29.0	.0
102	(1)	.00	.00	1.30	(1)	.0	.0	.0	.0	29.0	.0
103	(1)	.00	.00	1.30	(1)	.0	.0	.0	.0	29.0	.0
104	(3)	6.20	6.20	1.40	(1)	.0	.0	.0	.0	469.0	.0
105	(3)	176.46	688.00	1.40	(1)	999.6	.0	.0	999.6	1288.0	.0
106	(3)	176.05	687.00	1.40	(1)	997.2	.0	.0	997.2	1288.0	.0
107	(3)	180.17	712.00	1.40	(1)	1020.5	.0	.0	1020.5	1288.0	.0
108	(3)	324.55	1266.00	1.40	(1)	1838.4	.0	.0	1838.4	2243.0	.0
109	(3)	873.27	3455.00	1.40	(1)	4946.0	.0	.0	4946.0	5969.0	.0
110	(3)	.00	205.40	.00	(1)	310.5	.0	.0	310.5	367.0	.0
111	(3)	.00	223.60	.00	(1)	338.9	.0	.0	338.9	428.0	.0
112	(3)	.00	253.30	.00	(1)	352.8	.0	.0	352.8	424.0	.0
113	(3)	.00	238.30	.00	(1)	367.0	.0	.0	367.0	466.0	.0
114	(3)	.00	77.40	.00	(1)	102.0	.0	.0	102.0	160.0	.0
115	(3)	.00	77.60	.00	(1)	112.1	.0	.0	112.1	160.0	.0
116	(3)	.00	2.70	.00	(1)	.0	22.2	.0	22.2	173.0	.0
117	(3)	.00	9.40	.00	(1)	.0	22.2	.0	22.2	277.0	.0
118	(3)	.00	5.00	.00	(1)	.0	61.6	.0	61.6	91.0	.0
119	(3)	.00	3.40	.00	(1)	.0	61.6	.0	61.6	97.0	.0
120	(3)	.00	7.30	.00	(3)	.0	.0	.0	.0	.0	50000.0
121	(3)	.00	71.50	.00	(1)	103.3	.0	.0	103.3	160.0	.0
122	(3)	17.64	29.40	3.41	(1)	41.1	.0	.0	41.1	90.0	.0
123	(3)	15.42	25.70	3.40	(1)	35.9	.0	.0	35.9	84.0	.0
124	(3)	4.08	.90	4.22	(1)	.0	8.8	.0	8.8	40.0	.0
125	(3)	3.28	.40	4.17	(1)	.0	6.2	.0	6.2	41.0	.0
126	(3)	45.40	45.40	5.77	(1)	62.4	.0	.0	62.4	100.0	.0
127	(3)	201.30	201.30	5.20	(1)	307.2	.0	.0	307.2	719.5	.0
128	(3)	44.55	.00	1.20	(1)	294.4	.0	.0	294.4	276.4	.0
129	(3)	48.90	48.90	4.21	(3)	198.0	.0	.0	198.0	.0	184400.0
130	(3)	8.37	4.40	.95	(1)	69.1	.0	.0	69.7	77.8	.0
131	(3)	51.73	66.40	2.05	(1)	83.0	116.9	.0	200.5	331.0	.0
132	(2)	13.16	11.50	.97	(1)	.0	107.8	.0	107.8	120.0	.0
133	(1)	8.37	4.50	.95	(1)	69.1	.0	.0	69.7	77.8	.0
134	(1)	8.74	4.60	.95	(1)	72.8	.0	.0	72.8	95.0	.0
135	(1)	10.11	23.10	1.37	(1)	58.5	.0	.0	58.5	225.0	.0
136	(1)	11.42	23.10	1.55	(1)	58.5	.0	.0	58.5	150.0	.0
137	(1)	9.08	40.40	8.88	(2)	.0	.0	.0	.0	.0	29997.5
138	(1)	17.40	17.40	4.25	(1)	32.5	.0	.0	32.5	68.0	.0
139	(1)	14.61	2.90	1.62	(1)	71.5	.0	.0	71.5	129.0	.0
140	(1)	15.70	2.70	1.41	(1)	66.5	.0	.0	66.5	80.0	.0
141	(2)	116.48	112.80	1.14	(1)	.0	807.3	.0	807.3	1114.0	.0
142	(2)	116.48	112.80	1.14	(1)	.0	807.3	.0	807.3	1114.0	.0
143	(2)	116.48	112.80	1.14	(1)	.0	807.3	.0	807.3	1114.0	.0
144	(2)	116.48	112.80	1.14	(1)	.0	807.3	.0	807.3	1114.0	.0

REGULATED FORECASTS 1985. POINT SOURCES STRATEGY

CDM#	CO.	ALLOWABLE EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1978	EMISSION LIMITATION (UNITS OF REG) SO2 1985	NOx	FUEL HEAT GENERATION RATES 1985 COAL (MMBTU/HR)	OIL (MMBTU/HR)	GAS (MMBTU/HR)	TOTAL (MMBTU/HR)	RATED BOILER CAPACITY (MMBTU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
145	(2)	103.04	440.00	1.13	(1)	720.9	.0	.0	720.9	1029.0	.0
146	(2)	102.81	447.00	1.13	(1)	719.6	.0	.0	719.6	1029.0	.0
147	(2)	273.47	1189.00	1.13	(1)	1914.0	.0	.0	1914.0	2170.0	.0
148	(2)	741.98	3226.00	1.13	(1)	5193.5	.0	.0	5193.5	5880.0	.0
149	(2)	7.29	11.45	.87	(1)	.0	66.6	.0	66.6	74.0	.0
150	(2)	1.54	1.60	.37	(1)	.0	14.1	.0	14.1	74.0	.0
151	(2)	16.33	31.80	1.99	(1)	67.3	.0	.0	67.3	74.7	.0
152	(2)	19.94	40.70	1.80	(1)	87.9	.0	.0	87.9	97.6	.0
153	(2)	19.94	40.70	1.80	(1)	87.9	.0	.0	87.9	97.6	.0
154	(2)	19.94	40.70	1.80	(1)	87.9	.0	.0	87.9	97.6	.0
155	(2)	288.12	379.10	3.50	(1)	653.4	.0	.0	653.4	962.0	.0
156	(2)	336.88	443.00	3.50	(1)	763.6	.0	.0	763.6	1125.0	.0
157	(2)	10.95	7.30	1.17	(1)	.0	74.2	.0	74.2	111.0	.0
158	(2)	10.95	7.30	1.17	(1)	.0	74.2	.0	74.2	111.0	.0
159	(2)	10.95	7.30	1.17	(1)	.0	74.2	.0	74.2	111.0	.0
160	(2)	10.95	7.30	1.17	(1)	.0	74.2	.0	74.2	111.0	.0
161	(2)	10.95	7.30	1.17	(1)	.0	74.2	.0	74.2	111.0	.0
162	(2)	10.95	7.30	1.17	(1)	.0	74.2	.0	74.2	111.0	.0
163	(2)	21.60	14.40	1.17	(1)	.0	146.5	.0	146.5	219.0	.0
164	(2)	21.60	14.40	1.17	(1)	.0	146.5	.0	146.5	219.0	.0
165	(2)	21.60	14.40	1.17	(1)	.0	146.5	.0	146.5	219.0	.0
166	(2)	11.40	11.40	.34	(1)	.0	262.9	.0	262.9	350.0	.0
167	(2)	5.26	15.40	.75	(4)	.0	.0	109.9	109.9	.0	82200.0
168	(2)	15.39	45.20	.75	(4)	.0	.0	321.5	321.5	150.0	240600.0
169	(2)	13.98	41.00	.75	(4)	.0	.0	292.2	292.2	400.0	219400.0
170	(2)	7.92	23.30	.75	(4)	.0	.0	165.6	165.6	.0	437400.0
171	(2)	1.76	5.20	.75	(4)	.0	.0	36.8	36.8	.0	97200.0
172	(2)	3.52	10.30	.75	(4)	.0	.0	73.6	73.6	.0	194400.0
173	(2)	.31	.94	.75	(4)	.0	.0	6.4	6.4	.0	77200.0
174	(2)	3.94	11.70	.75	(4)	.0	.0	82.3	82.3	.0	137400.0
175	(2)	.53	1.50	.75	(4)	.0	.0	11.0	11.0	.0	137400.0
176	(2)	1.13	3.40	.75	(4)	.0	.0	23.7	23.7	.0	142600.0
177	(2)	1.05	3.60	.75	(4)	.0	.0	21.9	21.9	.0	137400.0
178	(2)	2.83	8.30	.75	(4)	.0	.0	59.0	59.0	.0	92000.0
179	(2)	1.60	4.70	.75	(4)	.0	.0	33.4	33.4	.0	20000.0
180	(2)	2.11	6.20	.75	(4)	.0	.0	44.1	44.1	.0	26400.0
181	(2)	3.15	9.20	.75	(4)	.0	.0	65.9	65.9	.0	40500.0
182	(1)	15.73	3.10	1.62	(1)	76.4	.0	.0	76.4	129.0	.0
183	(1)	12.40	2.10	1.87	(1)	52.5	.0	.0	52.5	80.0	.0
184	(3)	3.01	.40	4.15	(1)	.0	5.7	.0	5.7	41.0	.0
185	(3)	3.01	.40	4.15	(1)	.0	5.7	.0	5.7	41.0	.0
186	(2)	5.13	15.10	.38	(1)	.0	.0	107.6	107.6	100.0	.0
187	(2)	5.13	15.10	.38	(1)	.0	.0	107.6	107.6	100.0	.0
188	(2)	5.13	15.10	.38	(1)	.0	.0	107.6	107.6	100.0	.0
189	(2)	2.88	19.20	.33	(4)	.0	.0	136.8	136.8	.0	77200.0
190	(2)	.35	2.30	.33	(4)	.0	.0	15.6	15.6	.0	92000.0
191	(3)	7.74	2.00	19.96	(6)	.0	.0	.0	.0	.0	6150.0

CUYAHO	2526.14	[illegible]	15598.1	2511.7	5684.1	23753.9	18777.9	5425857.6
LORAIN	2635.74	[illegible]	10295.9	4565.5	1822.4	16683.8	19809.5	2251300.0
LAKE	2183.36	[illegible]	12512.2	311.1	.0	12823.2	17111.9	240550.0
TOT 1974		20092.00	38176.9	7036.1	6938.2	52153.2	55699.3	7561871.7
TOT 1985	7345.31		38366.2	7388.3	7506.4	53260.9	55699.3	7917707.6

SOURCE CATEGORY IDENTIFICATION (SCID)
UNITS OF ALLOWABLE LIMITATION (SUNIT)

(1) - FUEL COMBUSTION, (OTHER HEAT EXCHANGER)(UTILITY AND INDUSTRIAL BOILERS)(LBS OF SO2/MMBTU OF RATED OR MAX. HEAT INPUT)
(2) - SULFURIC ACID PLANT (LBS OF SO2/TON OF 100% ACID PRODUCED)(SICC=2819)
(3) - SULFUR RECOVERY PLANT (LBS OF SULFUR/1000 LBS OF SULFUR PROCESSED)(SICC=2820)
(4) - COKE OVEN GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF COG)(SICC=3313, 3314)
(5) - CATALYTIC CRACKING UNITS (LBS OF SO2 PER 1000 LBS OF CHARGING STOCK)(SICC=2990)
(6) - REFINERY HEATING OPERATIONS (PPM SO2 IN EXHAUST GAS)(SICC=2991)
(7) - REFINERY OFF - GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF ORG)(SICC=2993)
(8) - GENERAL PROCESSES (LBS OF SO2/TON PROCESS WT)
(9) - GENERAL PROCESSES (PPM SO2 IN EXHAUST GAS)(SICC=2001)
(10) - INDUSTRIAL PROCESS FUEL COMBUSTION LIMITATION (LBS OF SO2(MMBTU) IE. (COG OR ORG COMBUSTION FOR REFINERY OR IRON & STEEL BOILERS, FURNACES, SOAKING PITS, PROCESS HEATERS OR FLARES)(SICC=2393)

(11) - NON CATEGORY SOURCES

POLITICAL JURISDICTION (CO.)

(1) CUYAHG
(2) LORAIN
(3) LAKE

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UNREGULATED FORECASTS 1995 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1995	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1976	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
192	3.77	3.53	9.40	0.25
193	4.26	3.91	12.30	0.25
194	7.36	6.79	11.50	0.25
195	23.05	21.24	11.70	25.00
196	21.63	19.98	11.30	25.00
197	16.55	15.22	12.70	0.25
198	6.77	6.29	10.50	0.25
199	11.62	10.88	12.14	0.25
200	10.45	9.98	12.60	0.25
201	2.12	1.97	10.50	0.25
202	13.62	12.52	12.00	0.25
203	12.53	11.52	12.00	0.25
204	8.59	7.96	10.50	0.25
205	14.79	13.89	8.30	25.00
206	24.24	22.36	11.50	25.00
207	1.87	1.78	6.70	25.00
208	9.02	8.32	11.50	0.25
209	22.47	21.01	12.10	0.25
210	16.71	15.35	12.10	0.25
211	16.48	15.25	11.00	0.25
212	9.04	8.42	10.00	0.25
213	8.67	7.99	11.50	0.25
214	14.25	13.15	11.60	0.25
215	33.10	30.41	12.10	0.25
216	22.44	20.62	12.10	0.25
217	14.77	13.67	11.00	0.25
218	14.45	13.36	11.20	0.25
219	8.46	7.78	12.00	0.25
220	7.96	7.35	11.40	25.00
221	6.04	5.56	11.30	25.00
222	17.81	16.30	12.70	0.25
223	23.51	21.59	12.20	0.25
224	20.18	18.58	11.80	0.25
225	5.97	5.49	12.00	0.25
226	16.84	15.48	12.00	0.25
227	20.94	19.29	12.30	0.25
228	8.04	7.43	11.30	0.25
229	29.67	27.30	11.90	0.25
230	10.22	9.40	11.90	0.25
231	17.47	16.53	11.90	0.25
232	20.40	18.77	11.90	0.25
233	10.41	9.60	11.60	0.25
234	23.74	21.89	11.50	25.00
235	4.85	4.30	11.20	25.00
236	2.63	2.63	.00	0.25
237	1.84	1.75	5.90	0.25
238	21.63	19.90	11.70	0.25
239	24.05	22.10	12.10	0.25

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
240	22.66	20.85	11.40	0.25
241	22.61	20.79	12.00	0.25
242	15.58	14.35	11.70	0.25
243	5.65	5.28	9.70	0.25
244	2.40	2.40	.00	1.56
245	1.51	1.40	11.10	1.56
246	5.46	5.08	10.20	0.25
247	3.83	3.53	11.40	0.25
248	7.43	6.88	11.00	0.25
249	13.59	12.51	11.40	25.00
250	9.13	8.42	11.50	25.00
251	2.35	2.16	11.40	0.25
252	46.77	44.10	8.30	0.25
253	33.52	30.80	12.10	0.25
254	22.26	20.40	12.50	0.25
255	18.33	16.90	11.50	0.25
256	10.70	9.46	11.60	0.25
257	.90	.83	11.90	0.25
258	2.95	2.87	3.60	0.25
259	.30	.28	10.40	0.25
260	36.20	36.20	.00	0.25
261	49.13	43.20	11.40	0.25
262	26.30	24.20	11.40	0.25
263	12.55	11.52	12.30	25.00
264	73.47	67.46	12.20	0.25
265	6.57	6.14	12.00	0.25
266	1.01	.93	11.40	0.25
267	6.59	6.29	9.50	25.00
268	8.29	7.65	11.40	25.00
269	1.81	1.68	11.00	0.25
270	17.71	16.23	12.50	0.25
271	35.67	32.67	11.50	0.25
272	18.15	16.69	12.00	0.25
273	21.23	19.51	12.10	0.25
274	65.50	60.10	12.30	0.25
275	23.19	21.32	12.00	0.25
276	4.29	3.96	11.50	0.25
277	1.63	1.50	12.10	0.25
278	14.63	13.63	10.00	0.25
279	20.23	18.59	12.10	0.25
280	26.34	24.24	12.10	0.25
281	18.33	16.86	12.10	0.25
282	24.51	22.55	11.70	0.25
283	2.44	2.24	12.00	0.25
284	.30	.28	12.00	0.25
285	43.77	43.77	.00	0.25
286	17.41	16.02	11.40	0.25
287	1.98	1.83	11.40	0.25

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
288	2.26	2.26	.00	0.25
289	25.59	23.64	11.90	0.25
290	12.09	11.10	12.20	0.25
291	8.16	7.52	11.60	0.25
292	11.24	10.34	11.20	0.25
293	18.98	17.51	11.50	0.25
294	18.22	16.75	12.00	0.25
295	3.73	3.44	11.60	0.25
296	9.73	8.99	11.30	0.25
297	23.11	23.11	.00	0.25
298	8.23	7.57	11.40	0.25
299	12.57	11.60	11.50	0.25
300	1.51	1.39	11.60	0.25
301	4.69	4.48	6.50	0.25
302	10.64	9.86	11.40	0.25
303	9.00	8.32	11.20	0.25
304	7.10	6.55	11.50	0.25
305	8.03	7.46	10.50	0.25
306	11.26	10.40	11.30	0.25
307	3.91	3.61	11.50	0.25
308	1.60	1.47	12.50	0.25
309	1.26	1.17	10.20	0.25
310	6.57	6.11	10.20	0.25
311	3.19	2.95	11.30	0.25
312	4.26	3.91	12.20	0.25
313	1.51	1.41	10.00	0.25
314	27.79	25.79	10.60	25.00
315	10.36	9.53	11.90	25.00
316	6.56	6.03	12.00	25.00
317	10.03	9.26	11.40	25.00
318	2.64	2.49	10.70	25.00
319	2.89	2.68	10.80	25.00
320	1.77	1.65	10.10	25.00
321	5.17	4.97	5.50	25.00
322	2.57	2.36	12.10	25.00
323	1.76	1.75	1.30	25.00
324	.69	.69	1.70	25.00
325	4.49	2.66	62.30	25.00
326	2.36	1.66	38.40	25.00
327	.15	.09	61.30	25.00
328	1.45	.87	60.70	25.00
329	1.75	1.10	53.30	25.00
330	13.55	8.31	57.10	25.00
331	1.01	.52	56.80	25.00
332	.92	.56	58.20	25.00
333	.15	.09	57.00	25.00
334	.74	.47	51.30	25.00
335	.83	.59	37.50	25.00

UNREGULATED FORECASTS 1985 AREA SOURCES

CDM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
336	4.51	2.43	51.90	25.00
337	3.98	2.47	55.40	25.00
338	2.88	1.78	55.40	25.00
339	3.34	2.37	37.20	25.00
340	.66	.46	38.80	25.00
341	.14	.09	47.00	25.00
342	2.51	1.32	54.20	25.00
343	.48	.44	8.50	25.00
344	7.80	5.14	46.90	25.00
345	17.35	10.66	56.80	25.00
346	1.60	1.11	34.40	25.00
347	.78	.72	7.60	25.00
348	.14	.09	45.30	25.00
349	.12	.09	27.00	25.00
350	.15	.09	56.30	25.00
351	3.63	2.71	30.90	25.00
352	6.28	4.24	43.80	25.00
353	8.43	7.85	6.70	25.00
354	6.96	6.41	7.50	25.00
355	.77	.77	.00	25.00
356	.09	.09	.00	25.00
357	.84	.84	.00	25.00
358	.44	.44	.00	25.00
359	.79	.53	44.80	25.00
360	3.16	2.01	49.10	25.00
361	1.19	1.19	.00	25.00
362	2.93	2.13	33.40	25.00
363	.79	.58	32.10	25.00
364	.54	.54	.00	25.00
365	.64	.56	12.40	25.00
366	.65	.58	10.20	25.00
367	.71	.45	52.20	25.00
368	2.41	1.54	51.00	25.00
369	1.09	.70	50.60	25.00
370	3.76	2.35	51.90	25.00
371	1.15	.80	39.10	25.00
372	.94	.94	.00	25.00
373	.76	.55	51.30	25.00
374	.88	.73	27.30	25.00
375	23.32	14.46	54.30	0.25
376	7.06	4.34	54.90	0.25
377	6.53	4.20	48.50	0.25
378	2.53	1.78	41.70	0.25
379	3.00	3.00	.00	0.25
380	2.20	2.20	.00	0.25
381	.72	.72	.00	0.25
382	4.21	3.00	55.40	25.00
383	3.53	2.20	53.10	0.25

UNREGULATED FORECASTS 1985 AREA SOURCES

CDN #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (MMX2)
384	3.25	2.00	54.60	0.25
385	4.88	3.00	54.40	0.25
386	12.50	8.40	42.80	25.00
387	4.80	4.80	.00	25.00
388	3.15	2.40	42.40	25.00
389	2.05	1.56	27.40	0.25
390	2.29	2.51	45.30	0.25
391	9.52	6.10	49.20	25.00
392	5.13	3.38	45.40	25.00
393	3.43	2.49	50.70	25.00
394	3.89	2.54	46.60	25.00
395	.19	.12	48.20	0.25
396	0.28	0.64	31.00	0.25
397	1.56	1.15	26.70	0.25
398	7.16	4.80	48.70	0.25
399	14.59	9.20	51.40	25.00
400	5.35	3.35	52.30	25.00
401	5.77	3.81	45.00	25.00
402	5.27	3.67	38.30	25.00
403	3.17	2.54	21.80	25.00
404	5.85	3.75	49.30	25.00
405	4.18	3.69	11.50	25.00
406	2.25	1.43	50.00	25.00
407	1.57	1.00	50.00	25.00
408	6.47	4.12	50.00	25.00
409	4.50	2.93	50.00	25.00
410	1.73	1.10	50.00	25.00
411	4.02	2.56	50.00	25.00
412	6.39	4.07	50.00	25.00
413	5.72	3.64	50.00	25.00
414	1.57	1.00	50.00	25.00
415	7.56	6.20	30.00	1.56
416	19.69	19.00	5.00	1.56
417	10.43	9.10	20.00	1.56
418	7.51	7.00	10.00	1.56
419	3.21	2.80	20.00	1.56
420	1.55	1.40	15.00	1.56
CUYAHO	1856.15	1717.97	1683.40	1350.00
LORAIN	123.84	87.07	1746.90	1250.00
LAKE	194.84	130.99	1543.60	650.00
TOT 1974		1936.03		
TOT 1985	2174.82		4973.90	1250.00

DATA IGNORED - IN CONTROL MODE

MARKPT PRINTS

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1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890**SEQ NO. 03

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*USE 12.,CSFPHAR6.

*USE 9.,TOL-HPT.

*USE 10.,TOL-HAR.

*XQT GOMCSFP.CSDFP7-21
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TOLEDO CSDFP CONTROL

STRATEGY RUN

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*ADD,P TOLEDODATA.
 CONTROL VARIABLES - KUNIT,IUNIT,LUNIT,MUNIT,FI,NSTHAT,KFL,IST,NREG,AR,IARTWO
  6  5 11 12  0  2  0  0  1  1  0
 GROWTH CONTROL VAR.
  1  1  0  1
 GROWTH CONTROL VAR.
  7  2 1973 0  1   LUCAS
 AREA SOR. GROWTH
    .007
    .007
 POINT SOR. SICC SPECIFIC GROWTH
    .093    .024    .028    .017    .030    .022    .061
 SICC CODES
 28 29 34 26 32 33 37
 FORECAST YEAR(S)
 1980 1985
 PROJECTED COMPLIANCE LEVEL
   0    0.    0.

 PRVARS LISTING
   N=        .000        .000        .000        .000        .000        .000
   X=        .000        .000        .000        .000        .000        .000
   Y=        .000        .000        .000        .000        .000        .000
   Z=        .000        .000        .000        .000        .000        .000
  SA=        .000       6.500        .000        .000        .000        .000
  SK=        .000      32.000        .000        .000        .000        .000
  CO=        .000        .000        .000        .000        .000        .000
  CC=        .000        .300        .000        .000        .000        .000
  TO=        .000        .000        .000        .000        .000        .000
  OC=        .000      46.000        .000        .000        .000        .000
 COR=        .000        .000        .000        .000        .000        .000
   S=        .000        .000        .000        .000        .000        .000
   T=        .000        .000        .000        .000        .000        .000
 EGC=        .000        .000        .000        .000        .000        .000
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TOLEDO

REGULATED FORECASTS 1985, POINT SOURCES STRATEGY

CDM#	CO.	ALLOWABLE EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	EMISSION LIMITATION (UNITS OF MEG) SO21985	NUNIT	FULL HEAT GENERATION RATES 1985 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
1	(1)	149.72	383.90	1.30	(1)	915.6	.0	.0	915.6	1192.0	.0
2	(1)	149.29	382.80	1.29	(1)	914.4	.0	.0	914.4	1214.0	.0
3	(1)	156.78	402.00	1.30	(1)	958.8	.0	.0	958.8	1217.0	.0
4	(1)	229.12	587.50	1.30	(1)	1401.6	.0	.0	1401.6	1868.0	.0
5	(1)	.33	.40	.40	(1)	.0	6.6	.0	6.6	232.0	.0
6	(1)	21.55	34.90	.80	(1)	.0	212.8	.0	212.8	475.0	.0
7	(1)	21.49	34.80	.80	(1)	.0	212.0	.0	212.0	475.0	.0
8	(1)	130.66	255.20	1.99	(1)	519.6	.0	.0	519.6	739.0	.0
9	(1)	534.96	1048.00	2.00	(1)	2120.7	.0	.0	2120.7	2265.0	.0
10	(1)	.60	2.50	.50	(1)	.0	.0	9.5	9.5	15.0	.0
11	(1)	14.25	55.80	.51	(1)	.0	.0	166.1	166.1	178.0	.0
12	(1)	21.14	97.90	.51	(1)	.0	.0	330.3	330.3	367.0	.0
13	(1)	2.66	11.10	.51	(1)	.0	.0	41.5	41.5	75.0	.0
14	(1)	3.14	10.60	.51	(1)	.0	.0	49.6	49.6	55.0	.0
15	(1)	4.64	19.40	.51	(1)	.0	.0	72.6	72.6	90.0	.0
16	(1)	11.23	55.20	.51	(1)	.0	.0	175.4	175.4	195.0	.0
17	(1)	13.52	56.50	.51	(1)	.0	.0	211.2	211.2	291.0	.0
18	(1)	.07	.30	.49	(1)	.0	.0	1.1	1.1	7.0	.0
19	(1)	3.45	10.50	.51	(1)	.0	.0	53.8	53.8	60.0	.0
20	(1)	.30	.40	.50	(1)	.0	.0	4.7	4.7	3.7	.0
21	(1)	26.95	115.40	46.00	(7)	.0	.0	17.3	17.3	.0	.0
22	(1)	29.12	121.10	.20	(5)	.0	.0	.0	.0	.0	769688.8
23	(1)	.53	2.40	.11	(8)	.0	.0	.0	.0	.0	78473.5
24	(1)	1.15	2.80	.30	(1)	.0	21.0	9.8	30.8	89.0	.0
25	(1)	1.15	2.80	.30	(1)	.0	21.0	9.8	30.8	89.0	.0
26	(1)	1.15	2.80	.30	(1)	.0	21.0	9.8	30.8	89.0	.0
27	(1)	1.15	2.80	.30	(1)	.0	21.0	9.8	30.8	89.0	.0
28	(1)	3.17	9.80	.30	(1)	.0	66.9	17.2	84.2	84.7	.0
29	(1)	3.17	9.80	.30	(1)	.0	66.9	17.2	84.2	84.7	.0
30	(1)	6.51	20.00	.30	(1)	.0	124.2	55.9	180.1	185.0	.0
31	(1)	.98	2.80	.30	(1)	.0	17.7	8.0	25.7	25.0	.0
32	(1)	3.15	9.10	.30	(1)	.0	45.1	38.0	83.1	86.6	.0
33	(1)	1.08	2.80	.30	(1)	.0	.0	28.9	28.9	23.6	.0
34	(1)	.54	.60	.31	(1)	.0	.0	14.1	14.1	12.3	.0
35	(1)	.43	.50	.30	(1)	.0	.0	11.3	11.3	11.4	.0
36	(1)	2.56	7.70	.30	(1)	.0	29.4	36.8	66.1	70.3	.0
37	(1)	4.21	11.30	.30	(1)	.0	45.4	74.7	120.2	100.0	.0
38	(1)	.00	.00	.00	(1)	.0	.0	.1	.1	15.0	.0
39	(1)	2.30	5.60	.30	(1)	.0	56.2	7.5	63.7	198.0	.0
40	(1)	2.94	3.30	.30	(1)	.0	.0	76.7	76.7	86.2	.0
41	(1)	1.78	2.00	.31	(1)	.0	.0	45.6	45.6	52.1	.0
42	(1)	1.51	1.80	.30	(1)	.0	.0	39.5	39.5	44.0	.0
43	(1)	.66	10.00	.33	(1)	.0	.0	16.9	16.9	17.7	.0
44	(1)	21.12	44.10	.30	(5)	.0	.0	.0	.0	.0	556275.7
45	(1)	5.91	8.30	32.00	(3)	.0	.0	.0	.0	.0	2732.6
46	(1)	5.14	8.40	.50	(1)	.0	81.3	.0	81.3	179.0	.0
47	(1)	3.24	5.30	.50	(1)	.0	51.9	.0	51.9	134.0	.0
48	(1)	1.38	2.30	.50	(1)	.0	21.7	.0	21.7	69.0	.0

REGULATED FORECASTS 1985, POINT SOURCES STRATEGY

COMP	CO.	ALLOWABLE EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	EMISSION LIMITATION (UNITS OF REG) SO2 1985	NOTE	FUEL HEAT GENERATION RATES 1985 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
49	(1)	1.38	2.30	.50	(1)	.0	21.7	.0	21.7	69.0	.0
50	(1)	1.38	2.40	.50	(1)	.0	21.7	.0	21.7	69.0	.0
51	(1)	1.38	2.30	.50	(1)	.0	21.7	.0	21.7	69.0	.0
52	(1)	3.47	5.80	.50	(1)	.0	55.0	.0	55.0	158.5	.0
53	(1)	3.05	5.10	.50	(1)	.0	48.7	.0	48.7	113.3	.0
54	(1)	.45	.60	.40	(1)	.0	7.2	.0	7.2	90.0	.0
55	(1)	1.79	2.00	.49	(1)	.0	28.8	.0	28.8	137.4	.0
56	(1)	1.79	2.60	.47	(1)	.0	28.8	.0	28.8	137.4	.0
57	(1)	1.26	2.10	.50	(1)	.0	19.8	.0	19.8	195.0	.0
58	(1)	2.27	3.80	.50	(1)	.0	36.3	.0	36.3	282.0	.0
59	(1)	.44	1.80	.51	(1)	.0	14.6	.0	14.6	103.0	.0
60	(1)	.48	.80	.51	(1)	.0	7.7	.0	7.7	69.0	.0
61	(1)	10.43	10.20	.50	(1)	.0	173.4	.0	173.4	324.0	.0
62	(1)	10[illegible].30	161.90	2.03	[illegible]	.0	.0	.0	.0	.0	506061.5
63	(1)	.10	[illegible]	.00	(1)	.0	.5	.0	.5	46.0	.0
64	(1)	.2[illegible]	.40	.61	(1)	.0	2.0	.0	2.0	46.0	.0
65	(1)	1.47	2.60	.80	(1)	.0	13.9	.0	13.9	46.0	.0
66	(1)	.80	1.50	.79	(1)	.0	7.9	.0	7.9	46.0	.0
67	(1)	.45	.50	.60	(1)	.0	4.7	.0	4.7	45.0	.0
68	(1)	4.22	15.30	.60	(1)	.0	17.0	24.9	41.9	164.0	.0
69	(1)	[illegible]	[illegible]	[illegible]	(1)	.0	15.[illegible]	22.8	38.[illegible]	164.0	.0
70	(1)	4.21	3[illegible]	.71	(1)	.0	47.2	14.8	62.0	100.0	.0
71	(1)	[illegible]	[illegible]	[illegible]	[illegible]	.0	.3	.0	.3	4.5	.0
72	(1)	.00	.50	.00	(1)	.0	.2	.0	.2	2.5	.0
73	(1)	5.98	19.70	6.5[illegible]	(2)	.0	.0	.0	.0	.0	14579.5
74	(1)	1[illegible].37	14.[illegible]	[illegible]	(2)	.0	.0	.0	.0	.0	25215.1
75	(1)	5.60	27.8[illegible]	.0[illegible]	(1)	.0	.0	34.3	34.3	70.0	.0
76	(1)	5.60	27.40	.09	[illegible]	.0	.0	34.3	34.3	70.0	.0
77	(1)	.32	[illegible]	.09	(1)	.0	.0	11.1	11.1	20.0	.0
78	(1)	.55	[illegible]	.09	(1)	.0	.0	11.1	11.1	20.0	.0
79	(1)	[illegible]	13.40	[illegible]	(11)	.0	.0	23.7	23.7	.0	35800.0
80	(1)	14.15	[illegible]	1.5[illegible]	(1)	101.1	.0	.0	101.1	135.0	.0
81	(1)	15.15	4.40	1.5[illegible]	(1)	101.1	.0	.0	101.1	135.0	.0
82	(1)	4.63	2.80	1.50	(1)	36.1	.0	.0	36.1	40.0	.0
83	(1)	4.33	[illegible]	1.50	(1)	36.1	.0	.0	36.1	40.0	.0
84	(1)	4.5[illegible]	2.20	1.4[illegible]	(1)	34.9	.0	.0	34.9	40.0	.0
85	(1)	4.5[illegible]	2.70	[illegible]	(1)	34.9	.0	.0	34.9	40.0	.0
86	(1)	[illegible]	2.30	1.43	(1)	34.9	.0	.0	34.9	40.0	.0
87	(1)	4.53	[illegible]	1.4[illegible]	(1)	34.9	.0	.0	34.9	40.0	.0
88	(1)	2.01	2.40	1.5[illegible]	(1)	10.6	.0	.0	10.6	45.0	.0
89	(1)	2.01	2.55	1.6[illegible]	(1)	10.6	.0	.0	10.6	45.0	.0
90	(1)	3.12	[illegible]	1.52	(1)	7.0	.0	.0	7.0	55.0	.0
91	(1)	[illegible]	[illegible]	[illegible]	[illegible]	14.3	.0	.0	14.3	[illegible]	.0
92	(1)	4.3[illegible]	[illegible]	3.4[illegible]	(1)	14.3	.0	.0	14.3	[illegible]	.0
93	(1)	3.37	2.70	.80	(1)	.0	33.3	.0	33.3	228.0	.0
94	(1)	3.37	2.70	.80	(1)	.0	33.3	.0	33.3	228.0	.0
95	(1)	3.37	2.70	.80	(1)	.0	33.3	.0	33.3	228.0	.0
96	(1)	2.21	1.70	.30	(4)	.0	.0	.0	.0	.0	67510.6

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REGULATED FORECASTS 1985, POINT SOURCES STRATEGY

CDM#	CO.	ALLOWABLE EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	EMISSION LIMITATION (UNITS OF REG) SO21985	NUNIT	FUEL HEAT GENERATION RATES 1985 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
97	(1)	.10	.10	.00	(11)	.0	.0	.0	.0	.0	.0
98	(1)	2.35	.80	1.00	(1)	.0	18.5	.0	18.5	30.0	.0
99	(1)	2.35	.80	1.00	(1)	.0	18.5	.0	18.5	30.0	.0
100	(1)	7.34	3.70	.99	(1)	.0	58.8	.0	58.8	66.0	.0
101	(1)	1.34	1.20	.99	(1)	.0	10.6	.0	10.6	11.5	.0
102	(1)	1.34	1.20	.99	(1)	.0	10.6	.0	10.6	11.5	.0
103	(1)	1.34	1.20	.99	(1)	.0	10.6	.0	10.6	11.5	.0
104	(1)	.41	.30	1.49	(1)	2.2	.0	.0	2.2	12.4	.0
105	(1)	.41	.30	1.49	(1)	2.2	.0	.0	2.2	12.4	.0
106	(1)	1.72	1.10	1.50	(1)	9.1	.0	.0	9.1	50.5	.0
107	(1)	1.99	1.20	1.50	(1)	10.5	.0	.0	10.5	57.7	.0
108	(1)	1.93	1.00	1.00	(1)	15.3	.0	.0	15.3	37.0	.0
109	(1)	1.93	1.00	1.00	(1)	15.3	.0	.0	15.3	37.0	.0
110	(1)	.77	.40	1.00	(1)	.0	6.1	.0	6.1	55.0	.0
111	(1)	.77	.80	1.00	(1)	.0	6.1	.0	6.1	55.0	.0
112	(1)	.30	.30	1.00	(1)	.0	2.4	.0	2.4	55.0	.0
113	(1)	.78	.50	1.50	(1)	4.1	.0	.0	4.1	7.2	.0
114	(1)	.78	.50	1.50	(1)	4.1	.0	.0	4.1	7.2	.0
115	(1)	.78	.50	1.50	(1)	4.1	.0	.0	4.1	7.2	.0
116	(1)	.46	.40	1.00	(1)	.0	3.6	.0	3.6	10.5	.0
117	(1)	.46	.40	1.00	(1)	.0	3.6	.0	3.6	10.5	.0
118	(1)	.46	.46	1.00	(1)	.0	3.6	.0	3.6	10.5	.0
119	(1)	.15	.10	1.21	(1)	.0	.8	.0	.8	4.2	.0
120	(1)	.15	.10	1.21	(1)	.0	.8	.0	.8	4.2	.0
121	(1)	.15	.10	1.21	(1)	.0	.8	.0	.8	4.2	.0
122	(1)	.13	.10	1.21	(1)	.0	.8	.0	.8	4.2	.0
123	(1)	.21	.20	.03	(8)	.0	.0	.0	.0	.0	116893.0
124	(1)	.27	.20	1.54	(1)	.0	1.4	.0	1.4	12.5	.0
125	(6)	33.30	33.30	.00	(1)	.0	.0	.0	.0	.0	.0
126	(6)	65.60	65.60	.00	(1)	.0	.0	.0	.0	25.0	.0
127	(6)	128.40	128.40	.00	(1)	.0	.0	.0	.0	25.0	.0
128	(6)	128.40	128.40	.00	(1)	.0	.0	.0	.0	25.0	.0
129	(6)	128.40	128.40	.00	(1)	.0	.0	.0	.0	35.0	.0
130	(6)	15.50	15.50	.00	(1)	.0	.0	.0	.0	16.0	.0
131	(6)	2784.50	2784.50	.00	(1)	.0	.0	.0	.0	119.0	.0
132	(6)	2784.50	2784.50	.00	(1)	.0	.0	.0	.0	.0	.0
133	(6)	42.40	42.40	.00	(1)	.0	.0	.0	.0	.0	.0
134	(1)	1.28	3.00	.56	(1)	.0	21.7	.0	21.7	51.8	.0
135	(1)	1.34	3.00	.50	(1)	.0	21.7	.0	21.7	51.8	.0
136	(1)	1.38	3.00	.50	(1)	.0	21.7	.0	21.7	51.8	.0
137	(1)	1.71	3.80	.53	(1)	.0	27.3	.0	27.3	65.1	.0
138	(1)	6.34	10.80	.50	(1)	.0	101.4	.0	101.4	182.0	.0
139	(1)	7.72	12.90	.50	(1)	.0	123.0	.0	123.0	221.0	.0
140	(1)	.25	.10	.90	(1)	.0	.0	.0	.0	.0	.0
141	(1)	.14	.10	.09	(1)	.0	.0	.0	.0	.0	.0
142	(1)	6.87	5.50	.00	(1)	.0	.0	.0	.0	.0	.0
143	(1)	11.33	7.95	.30	(1)	.0	.0	.0	.0	300.0	.0
144	(1)	13.07	9.17	.00	(1)	.0	.0	.0	.0	291.0	.0

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REGULATED FORECASTS 19[illegible], POINT SOURCES STRATEGY

COMP#	CO.	ALLOWABLE EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1975	EMISSION LIMITATION (UNITS OF REG) SO2 1985	(REG#)	FUEL HEAT GENERATION RATES 1985 COAL (MMTBU/HR)	OIL (MMTBU/HR)	GAS (MMTBU/HR)	TOTAL (MMTBU/HR)	RATED BOILER CAPACITY (MMTBU/HR)	1985 PROCESS WEIGHT RATE (LBS/HR)
49	(1)	1.34	2.36	.50	(1)	.0	21.7	.0	21.7	69.0	.0
50	(1)	1.34	2.40	.50	(1)	.0	21.7	.0	21.7	69.0	.0
51	(1)	1.34	2.3[illegible]	.50	(1)	.0	21.7	.0	21.7	69.0	.0
52	(1)	3.47	5.80	.50	(1)	.0	55.0	.0	55.0	158.5	.0
53	(1)	3.05	5.1[illegible]	.50	(1)	.0	48.7	.0	48.7	113.3	.0
54	(1)	.45	.[illegible]	.49	(1)	.0	7.2	.0	7.2	90.0	.0
55	(1)	1.79	3.06	.44	(1)	.0	28.8	.0	28.8	137.4	.0
56	(1)	1.7[illegible]	3.00	.4[illegible]	(1)	.0	28.8	.0	28.8	137.4	.0
57	(1)	1.26	2.10	.50	(1)	.0	19.8	.0	19.8	195.0	.0
58	(1)	2.27	3.80	.50	(1)	.0	36.3	.0	36.3	282.0	.0
59	(1)	.94	1.80	.41	(1)	.0	14.6	.0	14.6	103.0	.0
60	(1)	.[illegible]	.80	.51	(1)	.0	7.7	.0	7.7	69.0	.0
61	(1)	10.49	16.20	.50	(1)	.0	173.4	.0	173.4	324.0	.0
62	(1)	10[illegible].30	161.90	2.03	([illegible])	.0	.0	.0	.0	.0	808061.5
63	(1)	.16	.[illegible]	.00	(1)	.0	.5	.0	.5	46.0	.0
64	(1)	.28	.40	.41	(1)	.0	2.0	.0	2.0	46.0	.0
65	(1)	1.47	2.60	.80	(1)	.0	13.9	.0	13.9	46.0	.0
66	(1)	.40	1.50	.79	(1)	.0	7.9	.0	7.9	46.0	.0
67	(1)	.44	.60	.60	(1)	.0	4.7	.0	4.7	46.0	.0
68	(1)	4.22	10.90	.60	(1)	.0	17.0	24.4	41.9	164.0	.0
69	(1)	3.45	9.40	.80	(1)	.0	15.5	22.8	38.3	164.0	.0
70	(1)	6.21	34.80	.79	(1)	.0	47.8	14.5	62.0	100.0	.0
71	(1)	.01	.[illegible]	.31	(1)	.0	.3	.0	.3	4.5	.0
72	(1)	.00	.00	.00	(1)	.0	.2	.0	.2	2.5	.0
73	(1)	5.98	19.70	6.51	(2)	.0	.0	.0	.0	.0	14579.5
74	(1)	10.33	14.70	6.51	(2)	.0	.0	.0	.0	.0	25215.1
75	(1)	5.60	27.80	.05	(1)	.0	.0	34.3	34.3	70.0	.0
76	(1)	5.50	27.40	.05	(1)	.0	.0	34.3	34.3	70.0	.0
77	(1)	.55	[illegible].40	.05	(1)	.0	.0	11.1	11.1	20.0	.0
78	(1)	.55	[illegible].40	.05	(1)	.0	.0	11.1	11.1	20.0	.0
79	(1)	13.[illegible]	15.40	.[illegible]	(11)	.0	.0	23.7	23.7	.0	35800.0
80	(1)	14.15	[illegible].40	1.50	(1)	101.1	.0	.0	101.1	135.0	.0
81	(1)	14.15	[illegible].40	1.50	(1)	101.1	.0	.0	101.1	135.0	.0
82	(1)	4.53	2.40	1.50	(1)	35.1	.0	.0	35.1	40.0	.0
83	(1)	4.53	2.[illegible]	1.50	(1)	35.1	.0	.0	35.1	40.0	.0
84	(1)	4.54	2.20	1.44	(1)	34.9	.0	.0	34.9	40.0	.0
85	(1)	4.54	2.70	1.44	(1)	34.9	.0	.0	34.9	40.0	.0
86	(1)	4.58	2.20	1.44	(1)	34.9	.0	.0	34.9	40.0	.0
87	(1)	4.53	2.20	1.44	(1)	34.9	.0	.0	34.9	40.0	.0
88	(1)	2.01	2.40	1.51	(1)	10.6	.0	.0	10.6	46.0	.0
89	(1)	2.01	2.45	1.51	(1)	10.6	.0	.0	10.6	46.0	.0
90	(1)	3.12	3.20	3.52	(1)	7.0	.0	.0	7.0	50.0	.0
91	(1)	4.30	10.40	3.49	(1)	14.3	.0	.0	14.3	93.0	.0
92	(1)	4.30	10.40	3.44	(1)	14.3	.0	.0	14.3	93.0	.0
93	(1)	3.37	2.70	.80	(1)	.0	33.3	.0	33.3	228.0	.0
94	(1)	3.37	2.70	.80	(1)	.0	33.3	.0	33.3	228.0	.0
95	(1)	3.37	2.70	.80	(1)	.0	33.3	.0	33.3	228.0	.0
96	(1)	2.21	1.70	.30	(4)	.0	.0	.0	.0	.0	87512.5

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SOURCE CATEGORY IDENTIFICATION AND
UNITS OF ALLOWABLE LIMITATION (NUNII)

(1) - FUEL COMBUSTION (DIRECT HEAT EXCHANGER)(UTILITY AND INDUSTRIAL BOILERS)(LBS OF SO2/MMBTU OF RATED OR MAX. HEAT INPUT)
(2) - SULFURIC ACID PLANT (LBS OF SO2/TON OF 100% ACID PRODUCED)(SICC=2819)
(3) - SULFUR RECOVERY PLANT (LBS OF SULFUR/1000 LBS OF SULFUR PROCESSED)(SICC=2819)
(4) - COKE OVEN GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF COG)(SICC=3313, 3314)
(5) - CATALYTIC CRACKING UNITS (LBS OF SO2 PER 1000 LBS OF CHARGING STOCK)(SICC=2990)
(6) - REFINERY TREATING OPERATIONS (PPM SO2 IN EXHAUST GAS)(SICC=2991)
(7) - REFINERY OFF - GAS COMBUSTION (GRAINS OF H2S/DRY STD. CUBIC FEET OF ORG)(SICC=2993)
(8) - GENERAL PROCESSES (LBS OF SO2/TON PROCESS WT)
(9) - GENERAL PROCESSES (PPM SO2 IN EXHAUST GAS)(SICC=2001)
(10) - INDUSTRIAL PROCESS FUEL COMBUSTION LIMITATION (LBS OF SO2(MMBTU) IE. (COG OR ORG COMBUSTION FOR
REFINERY OR IRON & STEEL BOILERS, FURNACES, SOAKING PITS, PROCESS HEATERS OR FLARES)(SICC=2393)

(11) - NON CATEGORY SOURCES

POLITICAL JURISDICTION (CO.)

(1) LOC

TOLEDO

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
145	1.56	1.56	.00	100.00
146	2.32	2.32	.00	100.00
147	.57	.57	.00	100.00
148	.77	.77	.00	100.00
149	.39	.39	.00	25.00
150	.36	.36	.00	6.25
151	.03	.03	.00	6.25
152	.90	.90	.00	25.00
153	.93	.93	.00	25.00
154	.03	.03	.00	6.25
155	.26	.26	.00	6.25
156	.76	.76	.00	25.00
157	.07	.07	.00	25.00
158	2.10	2.10	.00	25.00
159	.07	.07	.00	25.00
160	1.69	1.69	.00	25.00
161	2.71	2.71	.00	25.00
162	.37	.37	.00	25.00
163	.03	.03	.00	6.25
164	.03	.03	.00	6.25
165	2.26	2.26	.00	100.00
166	1.50	1.50	.00	100.00
167	.30	.30	.00	25.00
168	.27	.27	.00	25.00
169	.09	.09	.00	25.00
170	2.35	2.35	.00	25.00
171	.62	.62	.00	25.00
172	.86	.86	.00	25.00
173	2.83	2.83	.00	25.00
174	.03	.03	.00	6.25
175	1.06	1.06	.00	6.25
176	.28	.28	.00	9.00
177	.06	.06	.00	4.00
178	.15	.15	.00	25.00
179	.59	.59	.00	25.00
180	1.90	1.90	.00	100.00
181	1.96	1.96	.00	100.00
182	1.43	1.43	.00	100.00
183	.06	.06	.00	9.00
184	.08	.08	.00	6.25
185	1.90	1.90	.00	6.25
186	5.26	5.26	.00	9.00
187	.06	.06	.00	4.00
188	.35	.35	.00	9.00
189	1.52	1.52	.00	6.25
190	.56	.56	.00	25.00
191	.61	.61	.00	25.00
192	.19	.19	.00	4.00

TOLEDO

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
193	.20	.20	.00	4.00
194	.24	.24	.00	9.00
195	.36	.36	.00	4.00
196	.01	.01	.00	1.00
197	.73	.73	.00	1.00
198	1.08	1.08	.00	1.00
199	.94	.94	.00	1.00
200	.01	.01	.00	1.00
201	.01	.01	.00	1.00
202	.61	.61	.00	1.00
203	3.35	3.35	.00	9.00
204	.93	.93	.00	25.00
205	.15	.15	.00	25.00
206	.50	.50	.00	1.00
207	.17	.17	.00	1.00
208	.01	.01	.00	1.00
209	.82	.82	.00	1.00
210	.82	.82	.00	1.00
211	1.21	1.21	.00	1.00
212	1.63	1.63	.00	1.00
213	.01	.01	.00	1.00
214	.01	.01	.00	1.00
215	2.96	2.96	.00	4.00
216	.39	.39	.00	4.00
217	1.02	1.02	.00	1.00
218	.85	.85	.00	1.00
219	.43	.43	.00	9.00
220	.19	.19	.00	1.00
221	.49	.49	.00	1.00
222	1.31	1.31	.00	4.00
223	.43	.43	.00	1.00
224	.01	.01	.00	1.00
225	.01	.01	.00	1.00
226	.87	.87	.00	1.00
227	.01	.01	.00	1.00
228	1.70	1.70	.00	1.00
229	.01	.01	.00	1.00
230	.01	.01	.00	1.00
231	2.37	2.37	.00	6.25
232	.21	.21	.00	6.25
233	.51	.51	.00	1.00
234	5.77	5.77	.00	1.00
235	2.74	2.74	.00	4.00
236	2.79	2.79	.00	4.00
237	.62	.62	.00	1.00
238	.01	.01	.00	1.00
239	.62	.62	.00	1.00
240	.61	.01	.00	1.00

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UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
241	1.23	1.23	.00	1.00
242	.63	.63	.00	1.00
243	.01	.01	.00	1.00
244	.17	.17	.00	1.00
245	2.17	2.17	.00	1.00
246	2.02	2.02	.00	1.00
247	.07	.07	.00	1.00
248	.27	.27	.00	1.00
249	.49	.49	.00	1.00
250	.54	.54	.00	4.00
251	.20	.20	.00	1.00
252	.56	.56	.00	1.00
253	1.93	1.93	.00	1.00
254	3.10	3.10	.00	4.00
255	.01	.01	.00	1.00
256	.77	.77	.00	1.00
257	.01	.01	.00	1.00
258	.36	.36	.00	1.00
259	.01	.01	.00	1.00
260	1.13	1.13	.00	1.00
261	.98	.98	.00	1.00
262	.69	.69	.00	1.00
263	.01	.01	.00	1.00
264	1.28	1.28	.00	1.00
265	.01	.01	.00	1.00
266	.79	.79	.00	1.00
267	.01	.01	.00	1.00
268	1.06	1.06	.00	100.00
269	.89	.89	.00	100.00
270	.41	.41	.00	100.00
271	1.75	1.75	.00	100.00
272	5.18	5.18	.00	25.00
273	.55	.55	.00	1.00
274	5.73	5.73	.00	4.00
275	.57	.57	.00	1.00
276	.01	.01	.00	1.00
277	.01	.01	.00	1.00
278	1.56	1.56	.00	1.00
279	.01	.01	.00	1.00
280	.40	.40	.00	1.00
281	1.37	1.37	.00	1.00
282	.84	.84	.00	1.00
283	.01	.01	.00	1.00
284	2.99	2.99	.00	1.00
285	.76	.76	.00	1.00
286	2.16	2.16	.00	1.00
287	1.67	1.67	.00	1.00
288	.38	.38	.00	1.00

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Toledo

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
289	.03	.03	.00	1.00
290	2.67	2.67	.00	25.00
291	.91	.91	.00	25.00
292	1.69	1.69	.00	100.00
293	1.78	1.78	.00	100.00
294	1.06	1.06	.00	100.00
295	1.40	1.40	.00	1.00
296	6.66	6.66	.00	4.00
297	.01	.01	.00	1.00
298	.33	.33	.00	1.00
299	.01	.01	.00	1.00
300	.78	.78	.00	1.00
301	.01	.01	.00	1.00
302	1.17	1.17	.00	1.00
303	.83	.83	.00	1.00
304	1.11	1.11	.00	1.00
305	.01	.01	.00	1.00
306	.90	.90	.00	1.00
307	1.87	1.87	.00	1.00
308	.43	.43	.00	1.00
309	1.14	1.14	.00	1.00
310	.29	.29	.00	1.00
311	1.53	1.53	.00	1.00
312	.01	.01	.00	1.00
313	.01	.01	.00	1.00
314	1.28	1.28	.00	1.00
315	1.56	1.56	.00	1.00
316	.94	.94	.00	1.00
317	.01	.01	.00	1.00
318	1.85	1.85	.00	1.00
319	1.15	1.15	.00	1.00
320	1.42	1.42	.00	1.00
321	2.41	2.41	.00	1.00
322	2.27	2.27	.00	1.00
323	2.30	2.30	.00	1.00
324	1.82	1.82	.00	1.00
325	1.57	1.57	.00	1.00
326	.87	.87	.00	1.00
327	1.42	1.42	.00	1.00
328	.30	.30	.00	4.00
329	.40	.40	.00	4.00
330	.01	.01	.00	1.00
331	3.36	3.36	.00	4.00
332	.43	.43	.00	1.00
333	2.06	2.06	.00	1.00
334	.68	.68	.00	1.00
335	.02	.02	.00	1.00
336	1.95	1.95	.00	1.00

Toledo

UNREGULATED FORECASTS 1985 AREA SOURCES

CDA #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
337	.01	.01	.00	1.00
338	2.24	2.24	.00	1.00
339	1.74	1.74	.00	1.00
340	2.90	2.90	.00	1.00
341	3.40	3.40	.00	1.00
342	2.45	2.45	.00	1.00
343	1.21	1.21	.00	1.00
344	1.41	1.41	.00	1.00
345	1.46	1.46	.00	1.00
346	2.67	2.67	.00	1.00
347	1.09	1.09	.00	1.00
348	.94	.94	.00	1.00
349	4.15	4.15	.00	1.00
350	2.77	2.77	.00	1.00
351	1.55	1.55	.00	1.00
352	2.26	2.26	.00	1.00
353	1.87	1.87	.00	1.00
354	.82	.82	.00	1.00
355	1.28	1.28	.00	1.00
356	2.36	2.36	.00	1.00
357	1.11	1.11	.00	1.00
358	.03	.03	.00	1.00
359	.65	.65	.00	1.00
360	2.64	2.64	.00	1.00
361	1.04	1.04	.00	1.00
362	1.42	1.42	.00	1.00
363	1.84	1.84	.00	1.00
364	4.18	4.18	.00	1.00
365	3.72	3.72	.00	1.00
366	1.75	1.75	.00	1.00
367	1.42	1.42	.00	1.00
368	.01	.01	.00	1.00
369	4.34	4.34	.00	1.00
370	4.98	4.98	.00	1.00
371	.61	.61	.00	1.00
372	.29	.29	.00	1.00
373	.03	.03	.00	1.00
374	2.25	2.27	.00	25.00
375	.75	.75	.00	25.00
376	.00	.00	.00	4.00
377	.00	.00	.00	1.00
378	.01	.01	.00	1.00
379	3.97	3.97	.00	1.00
380	1.06	1.06	.00	1.00
381	5.12	5.12	.00	1.00
382	4.33	4.33	.00	1.00
383	2.58	2.58	.00	1.00
384	2.80	2.80	.00	1.00

Toledo

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
385	1.19	1.19	.00	1.00
386	2.16	2.16	.00	1.00
387	2.60	2.60	.00	1.00
388	1.14	1.14	.00	1.00
[illegible]	2.44	2.44	.00	4.00
390	.05	.05	.00	4.00
391	1.66	1.66	.00	4.00
392	.01	.01	.00	1.00
393	3.41	3.41	.00	1.00
394	2.45	2.45	.00	1.00
395	1.82	1.82	.00	1.00
396	2.41	2.41	.00	1.00
397	4.07	4.07	.00	1.00
398	5.18	5.18	.00	1.00
399	3.78	3.78	.00	1.00
400	1.41	1.41	.00	1.00
401	2.37	2.37	.00	1.00
402	1.19	1.19	.00	1.00
403	.20	.20	.00	4.00
404	.39	.39	.00	1.00
405	.47	.47	.00	1.00
406	.01	.01	.00	1.00
407	1.40	1.40	.00	1.00
408	.21	.21	.00	1.00
409	1.72	1.72	.00	1.00
410	4.18	4.18	.00	1.00
411	2.67	2.67	.00	1.00
412	3.87	3.87	.00	1.00
413	.01	.01	.00	1.00
414	3.10	3.10	.00	10.00
415	.76	.76	.00	4.00
416	1.63	1.63	.00	1.00
417	1.35	1.35	.00	1.00
418	3.00	3.00	.00	1.00
419	.91	.91	.00	1.00
420	1.98	1.98	.00	1.00
421	2.20	2.20	.00	1.00
422	3.85	3.85	.00	1.00
423	2.46	2.46	.00	1.00
424	.47	.47	.00	1.00
425	1.35	.35	.00	100.00
426	2.34	2.34	.00	100.00
427	1.41	1.41	.00	100.00
428	2.54	2.54	.00	100.00
429	.02	.02	.00	25.00
430	1.91	1.91	.00	6.25
431	.20	.20	.00	6.25
432	1.70	1.70	.00	1.00

TOLEDO

UNREGULATED FORECASTS 1985 AREA SOURCES

CGM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
433	3.82	3.82	.00	1.00
434	3.53	3.53	.00	1.00
435	2.35	2.35	.00	1.00
436	.89	.89	.00	1.00
437	2.73	2.73	.00	1.00
438	.98	.98	.00	1.00
439	1.09	1.09	.00	1.00
440	.01	.01	.00	1.00
441	.42	.42	.00	4.00
442	1.45	1.45	.00	25.00
443	.43	.43	.00	25.00
444	.97	.97	.00	25.00
445	.15	.15	.00	25.00
446	1.90	1.90	.00	100.00
447	1.32	1.32	.00	100.00
448	.66	.66	.00	1.00
449	.54	.54	.00	1.00
450	2.26	2.26	.00	1.00
451	1.42	1.42	.00	1.00
452	1.01	1.01	.00	1.00
453	.29	.29	.00	1.00
454	1.66	1.66	.00	1.00
455	.37	.37	.00	1.00
456	.17	.17	.00	1.00
457	.81	.81	.00	1.00
458	.67	.67	.00	1.00
459	.76	.76	.00	1.00
460	1.30	1.30	.00	1.00
461	.36	.36	.00	1.00
462	1.96	1.96	.00	1.00
463	.72	.72	.00	1.00
464	1.09	1.09	.00	1.00
465	1.15	1.15	.00	1.00
466	1.28	1.28	.00	1.00
467	.61	.61	.00	1.00
468	1.54	1.54	.00	1.00
469	.81	.81	.00	1.00
470	.05	.05	.00	1.00
471	.39	.39	.00	6.25
472	1.36	1.36	.00	6.25
473	.62	.62	.00	4.00
474	1.08	1.36	.00	1.00
475	1.12	1.12	.00	1.00
476	.25	.25	.00	1.00
477	.07	.07	.00	1.00
478	1.36	1.36	.00	4.00
479	1.09	1.09	.00	4.00
480	1.80	1.80	.00	1.00

Toledo

UNREGULATED FORECASTS 1985 AREA SOURCES

CDH #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1974	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
481	.29	.29	.00	1.00
482	.01	.01	.00	1.00
483	.54	.54	.00	1.00
484	.01	.01	.00	1.00
485	.27	.27	.00	1.00
486	.01	.01	.00	1.00
487	.62	.62	.00	1.00
488	1.47	1.47	.00	1.00
489	.61	.61	.00	1.00
490	.39	.39	.00	1.00
491	.47	.47	.00	25.00
492	.91	.91	.00	6.25
493	.46	.46	.00	6.25
494	.37	.37	.00	6.25
495	1.20	1.20	.00	6.25
496	.03	.03	.00	6.25
497	.75	.75	.00	6.25
498	1.06	1.06	.00	9.00
499	1.34	1.34	.00	25.00
500	.78	.78	.00	25.00
501	.99	.99	.00	25.00
502	2.49	2.49	.00	16.00
503	.03	.03	.00	1.00
504	.03	.03	.00	1.00
505	.03	.03	.00	1.00
506	.21	.21	.00	6.25
507	.03	.03	.00	6.25
508	1.56	1.56	.00	6.25
509	.30	.30	.00	6.25
510	.34	.34	.00	6.25
511	.03	.03	.00	1.00
512	.44	.44	.00	1.00
513	.94	.94	.00	1.00
514	.90	.90	.00	1.00
515	.03	.03	.00	1.00
516	.97	.97	.00	1.00
517	.65	.65	.00	25.00
518	.03	.03	.00	6.25
519	.37	.37	.00	6.25
520	1.01	1.01	.00	25.00
521	.03	.03	.00	1.00
522	.37	.37	.00	1.00
523	.75	.75	.00	1.00
524	.03	.03	.00	1.00
525	.03	.03	.00	1.00
526	.33	.33	.00	6.25
527	1.03	1.03	.00	6.25
528	.59	.59	.00	25.00

TOLEDO

UNREGULATED FORECASTS 1985 AREA SOURCES

COM #	PROJECTED EMISSIONS (GRAMS/SEC) SO2 1985	BASE YEAR EMISSIONS (GRAMS/SEC) SO2 1973	% RESIDENTIAL COMMERCIAL SO2	GRID AREA (KM**2)
529	1.34	1.34	.00	25.00
530	.15	.15	.00	25.00
531	.37	.37	.00	1.00
532	1.76	1.76	.00	1.00
533	.93	.93	.00	1.00
534	1.13	1.13	.00	1.00
535	1.13	1.13	.00	1.00
536	.03	.03	.00	1.00
537	.33	.33	.00	1.00
538	.03	.03	.00	1.00
539	.93	.93	.00	1.00
540	.52	.52	.00	1.00
541	.03	.03	.00	6.25
542	.52	.52	.00	6.25
543	.07	.07	.00	6.25
544	.03	.03	.00	1.00
545	.03	.03	.00	1.00
546	.62	.62	.00	1.00
547	.03	.03	.00	1.00
548	.03	.03	.00	1.00
549	.03	.03	.00	1.00
550	.03	.03	.00	1.00
551	.03	.03	.00	1.00
552	.03	.03	.00	1.00
553	.03	.03	.00	1.00
554	1.41	1.41	.00	25.00
555	1.24	1.24	.00	25.00
556	.78	.78	.00	6.25
557	.07	.07	.00	6.25
558	.15	.15	.00	25.00
559	.97	.97	.00	25.00
560	.81	.81	.00	25.00
561	1.04	1.04	.00	6.25
562	.93	.93	.00	6.25
563	.83	.83	.00	25.00
564	.76	.76	.00	25.00
565	1.13	1.13	.00	25.00
566	1.51	1.51	.00	25.00
LUC	473.47	473.47	.00	4205.75
TOT 1973		473.47		
TOT 1985	473.47		.00	4205.75

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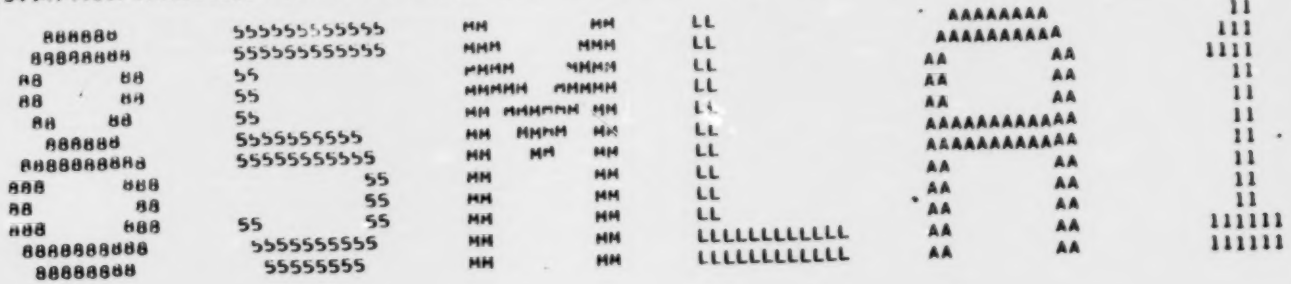

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@USE PCDE.PSBML*PCDE.

@BRKPT PUNCH$/PCDE

@CAT,P CLEV-COMECON.

@CAT,P CLEV-BD1.

@CAT,P CLE1.

@ASG,A CLEV-BD1.

@USE 13.CLEV-BD1.

@ASG,A CLE1.

@USE 14.CLE1.

@ASG,A CLEV-COMECON.

@USE 18..CLEV-COMECON.

@SETC,I

@XQT GOMCOM.COMECON7-13

@ADD,P PSBML*MODEL-DATA.CLEV-C

@ADD,P PSBML*MODEL-DATA.CLEV-METS
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COMI VERSION 76130. RUN 15

THE CENTRAL WIND SPEEDS OF THE SIX WIND SPEED CLASSES (U):
.150000+01 .245872+01 .447040+01 .692912+01 .961136+01 .125171+02

THE EXPONENTIAL OF THE VERTICAL WIND PROFILE BY STABILITY CLASS (UE):
.100000+00 .150000+00 .200000+00 .250000+00 .250000+00 .300000+00

THE INITIAL SIGMA Z FOR AREA SOURCES BY STABILITY CLASS (SZA):
.300000+02 .300000+02 .300000+02 .300000+02 .300000+02 .300000+02

THE CLIMATOLOGICAL MEAN NOCTURNAL AND AFTERNOON MIXING HEIGHTS (HMIN,HT):
.550000+03 .120000+04

THE DAY AND NIGHT EMISSION WEIGHT FACTORS (YD,YN):
.114000+01 .860000+00

THE X-MIN AND Y-MIN OF THE AREA EMISSION INVENTORY GRID (XG,YG):
.390000+03 .455000+04

THE WIDTH OF A BASIC AREA SOURCE SQUARE (TXA):
.125000+04

THE NUMBER OF SUB-SECTORS CONSIDERED IN A 22.5 DEGREE SECTOR, AND ANGULAR WIDTH OF A SUB-SECTOR (DINT,THETA):
.400000+01 .562500+01

THE INITIAL RADIAL INCREMENT (DELR):
.500000+03

THE RADIAL INCREMENT FACTORS (INC):
1 2 4 4

THE RATIO OF EMISSION GRID TO MAP GRID (RAT):
.125000+01

THE GRID CONVERSION FACTOR (CV):
.100000+04

THE AMBIENT AIR TEMPERATURE (TOA):
.283260+03

THE DECAY RATE HALF LIFE FOR P 1 AND P 2 (GB):
.400000+01 .999999+06

INTERCEPTS FOR P 1 AND P 2 (CA):
.172300+02 .000000

SLOPES FOR P 1 AND P 2 (CB AND CC):
.610000+00 .100000+01 .176000+01 .100000+01

THE SIGMA Z COEFFICIENT TABLE (G):
.253900-03 .253900-03 .383000-01 .208860+01 .208860+01 .128120+01
.493600-01 .493600-01 .139300+00 .111370+01 .111370+01 .946700+00
.115400+00 .101400+00 .112000+00 .910900+00 .926000+00 .910000+00
.736800+00 .259100+00 .850000-01 .564200+00 .686900+00 .865000+00
.129690+01 .252700+00 .818000-01 .442100+00 .634100+00 .815500+00

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COMI VERSION 6.130. RUN 15

SECTOR	U1	U2	U3	U4	U5	U6
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 1			
1	.170000-03	.270000-03	.000000	.000000	.000000	.000000
2	.400000-04	.700000-04	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000	.000000	.000000
5	.400000-04	.700000-04	.000000	.000000	.000000	.000000
6	.400000-04	.700000-04	.000000	.000000	.000000	.000000
7	.150000-03	.700000-04	.000000	.000000	.000000	.000000
8	.800000-04	.140000-03	.000000	.000000	.000000	.000000
9	.280000-03	.270000-03	.000000	.000000	.000000	.000000
10	.150000-03	.700000-04	.000000	.000000	.000000	.000000
11	.260000-03	.700000-04	.000000	.000000	.000000	.000000
12	.400000-04	.700000-04	.000000	.000000	.000000	.000000
13	.800000-04	.140000-03	.000000	.000000	.000000	.000000
14	.400000-04	.700000-04	.000000	.000000	.000000	.000000
15	.400000-04	.700000-04	.000000	.000000	.000000	.000000
16	.800000-04	.140000-03	.000000	.000000	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 2			
1	.600000-03	.301000-02	.438000-02	.000000	.000000	.000000
2	.140000-03	.680000-03	.164000-02	.000000	.000000	.000000
3	.260000-03	.340000-03	.210000-03	.000000	.000000	.000000
4	.270000-03	.410000-03	.100000-04	.000000	.000000	.000000
5	.260000-03	.340000-03	.000000	.000000	.000000	.000000
6	.180000-03	.270000-03	.210000-03	.000000	.000000	.000000
7	.370000-03	.680000-03	.100000-04	.000000	.000000	.000000
8	.112000-02	.620000-03	.340000-03	.000000	.000000	.000000
9	.810000-03	.130000-02	.820000-03	.000000	.000000	.000000
10	.670000-03	.680000-03	.150000-03	.000000	.000000	.000000
11	.710000-03	.110000-02	.144000-02	.000000	.000000	.000000
12	.600000-03	.750000-03	.150000-03	.000000	.000000	.000000
13	.380000-03	.820000-03	.960000-03	.000000	.000000	.000000
14	.380000-03	.750000-03	.680000-03	.000000	.000000	.000000
15	.210000-03	.130000-02	.110000-02	.000000	.000000	.000000
16	.700000-03	.171000-02	.143000-02	.000000	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 3			
1	.670000-03	.199000-02	.106200-01	.178000-02	.000000	.000000
2	.140000-03	.820000-03	.473000-02	.171000-02	.140000-03	.000000
3	.140000-03	.890000-03	.171000-02	.550000-03	.000000	.000000
4	.270000-03	.620000-03	.550000-03	.000000	.000000	.000000
5	.400000-04	.480000-03	.110000-02	.000000	.000000	.000000
6	.100000-03	.270000-03	.890000-03	.270000-03	.000000	.000000
7	.300000-03	.103000-02	.130000-02	.000000	.000000	.000000
8	.470000-03	.123000-02	.219000-02	.700000-04	.000000	.000000
9	.850000-03	.329000-02	.951000-02	.116000-02	.210000-03	.000000
10	.690000-03	.226000-02	.985000-02	.103000-02	.700000-04	.000000
11	.270000-03	.253000-02	.810000-02	.144000-02	.700000-04	.700000-04
12	.170000-03	.116000-02	.459000-02	.123000-02	.210000-03	.000000
13	.290000-03	.890000-03	.397000-02	.820000-03	.140000-03	.000000
14	.160000-03	.210000-03	.295000-02	.680000-03	.000000	.000000
15	.330000-03	.410000-03	.253000-02	.270000-03	.700000-04	.000000
16	.240000-03	.123000-02	.445000-02	.410000-03	.000000	.000000

SECTOR	U1	U2	U3	U4	U5	U6
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 4			
1	.520000-03	.589000-02	.111600-01	.856000-02	.620000-03	.000000
2	.100000-03	.247000-02	.493000-02	.575000-02	.820000-03	.000000
3	.290000-03	.185000-02	.370000-02	.349000-02	.890000-03	.700000-04
4	.400000-04	.890000-03	.199000-02	.960000-03	.700000-04	.000000
5	.300000-04	.820000-03	.391000-02	.144000-02	.270000-03	.000000
6	.400000-04	.890000-03	.384000-02	.164000-02	.140000-03	.000000
7	.370000-03	.226000-02	.329000-02	.158000-02	.700000-04	.000000
8	.480000-03	.315000-02	.406000-02	.301000-02	.480000-03	.700000-04
9	.220000-03	.363000-02	.133600-01	.190400-01	.411000-02	.680000-03
10	.400000-03	.459000-02	.870000-02	.154800-01	.363000-02	.750000-03
11	.170000-03	.438000-02	.932000-02	.163000-01	.445000-02	.110000-02
12	.470000-03	.281000-02	.726000-02	.134200-01	.418000-02	.960000-03
13	.130000-03	.151000-02	.589000-02	.102100-01	.171000-02	.340000-03
14	.290000-03	.185000-02	.658000-02	.911000-02	.130000-02	.210000-03
15	.220000-03	.199000-02	.535000-02	.658000-02	.137000-02	.000000
16	.280000-03	.178000-02	.508000-02	.356000-02	.123000-02	.700000-04
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 5			
1	.138000-02	.521000-02	.952000-02	.753000-02	.550000-03	.000000
2	.670000-03	.315000-02	.651000-02	.377000-02	.270000-03	.000000
3	.560000-03	.199000-02	.589000-02	.342000-02	.340000-03	.700000-04
4	.110000-03	.116000-02	.390000-02	.123000-02	.700000-04	.000000
5	.280000-03	.137000-02	.555000-02	.144000-02	.700000-04	.000000
6	.200000-03	.137000-02	.569000-02	.199000-02	.270000-03	.000000
7	.630000-03	.192000-02	.568000-02	.219000-02	.140000-03	.000000
8	.840000-03	.342000-02	.966000-02	.507000-02	.960000-03	.700000-04
9	.770000-03	.349000-02	.695900-01	.221900-01	.390000-02	.680000-03
10	.950000-03	.459000-02	.159600-01	.102700-01	.192000-02	.270000-03
11	.106000-02	.500000-02	.145900-01	.117100-01	.308000-02	.960000-03
12	.600000-03	.240000-02	.113000-01	.130800-01	.390000-02	.820000-03
13	.280000-03	.219000-02	.774000-02	.822000-02	.192000-02	.700000-04
14	.340000-03	.288000-02	.795000-02	.856000-02	.960000-03	.750000-03
15	.760000-03	.253000-02	.637000-02	.644000-02	.185000-02	.700000-04
16	.520000-03	.240000-02	.959000-02	.541000-02	.110000-02	.700000-04
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 6			
1	.346000-02	.870000-02	.688000-02	.000000	.000000	.000000
2	.160000-02	.685000-02	.653000-02	.000000	.000000	.000000
3	.129000-02	.623000-02	.185000-02	.000000	.000000	.000000
4	.530000-03	.336000-02	.194000-02	.000000	.000000	.000000
5	.106000-02	.363000-02	.123000-02	.000000	.000000	.000000
6	.810000-03	.377000-02	.695000-02	.000000	.000000	.000000
7	.283000-02	.101300-01	.137000-02	.000000	.000000	.000000
8	.509000-02	.143900-01	.952000-02	.000000	.000000	.000000
9	.908000-02	.237000-01	.121200-01	.000000	.000000	.000000
10	.516000-02	.197300-01	.115100-01	.000000	.000000	.000000
11	.295000-02	.137700-01	.699000-02	.000000	.000000	.000000
12	.194000-02	.502000-02	.268000-02	.000000	.000000	.000000
13	.106000-02	.267000-02	.160000-03	.000000	.000000	.000000
14	.690000-03	.261000-02	.130000-02	.000000	.000000	.000000
15	.192000-02	.356000-02	.130000-02	.000000	.000000	.000000
			.029000-03			

** SOURCE CONTRIBUTION VERSION OF CDM **

CLEVELAND STRATEGY

TEN MAXIMUM WILL BE SELECTED IN SOURCE CONTRIBUTION

NO STATISTICAL DATA NEEDED

@ADD.P CSFP-CL-APT2.

CDM] VERSION 79130. RUN 15

SOURCE ID	INPUT	X(KM)	Y(KM)	IX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO.	1	DIVISION OF POWER&LIGHT-CLEV.HUNT,B001,COAL,BOILER#1,525]MARGINALDR/CLE/CUY									
P 1		445.30	4597.60	.00	81.900	.000	49.80	2.90	13.90	160.00	.00
SOURCE NO.	2	DIVISION OF POWER&LIGHT-CLEV.HUNT,B002-6,COAL,BOILERS #2-6,MARGINALDR/CLE/CUY									
P 2		445.30	4597.60	.00	216.800	.000	52.70	2.60	10.80	177.00	.00
SOURCE NO.	3	DIVISION PUMPINGSTATION,B001-6,COAL,1245W45TH/CLE/CUY,									
P 3		448.50	4593.30	.00	70.500	.000	69.50	2.70	4.10	249.00	.00
SOURCE NO.	4	CEI-LAKESHORE,B006,COAL,UNIT#18,68005MARGINALDR/CLE/CUY									
P 4		446.40	4598.30	.00	364.200	.000	97.60	5.20	12.50	147.00	.00
SOURCE NO.	5	CEI-LAKESHORE,B004,COAL,UNIT#94MARGINALDR/CLE/CUY									
P 5		446.40	4598.30	.00	124.130	.000	81.70	3.70	9.70	118.00	.00
SOURCE NO.	6	CEI-LAKESHORE,B003,COAL,UNIT#93,MARGINALDR/CLE/CUY									
P 6		446.40	4598.30	.00	120.990	.000	81.70	3.70	9.70	118.00	.00
SOURCE NO.	7	CEI-LAKESHORE,B002]5,COAL]OIL,UNIT#92]TURBINEMARGINALDR/CLE/CUY									
P 7		446.40	4598.30	.00	105.840	.000	81.70	3.70	7.10	116.00	.00
SOURCE NO.	8	CEI-LAKESHORE,B001,COAL,UNIT#91]MARGINALDR/CLE/CUY									
P 8		446.40	4598.30	.00	108.410	.000	81.70	3.70	7.10	116.00	.00
SOURCE NO.	9	CEI-CANALROAD-STEAMHEATINGPLANT,B001-5,COAL,2274CANALRD/CLE/CUY,(73)									
P 9		442.40	4593.70	.00	46.090	.000	95.70	3.70	9.00	304.00	.00
SOURCE NO.	10	CEI-HAMILTONAVE/STEAMHEATINGPLANT,B001-6,OIL,1901HAMAVE/CLE/CUY									
P 10		444.30	4596.20	.00	21.600	.000	87.00	4.30	8.00	274.00	.00
SOURCE NO.	11	DUPONTCHEMICAL,B001,BOILER#18,OIL,2981INDEPENDENCE/CLE./CUY(73)									
P 11		444.50	4590.40	.00	4.200	.000	15.00	1.20	10.90	171.00	.00
SOURCE NO.	12	DUPONT CHEMICAL-SULFUR BURNING CONTACT PROCESS,P001,INDEPENDENCE/CLE./CUY73)									
P 12		444.50	4590.40	.00	20.100	.000	61.00	1.40	11.00	80.00	125.00
SOURCE NO.	13	GMC-FISHERBODY,B001-3,BOILERS#1,8,9,1381SCOTTRD/CLE/CUY									
P 13		450.80	4600.00	.00	28.500	.000	45.70	3.30	3.60	232.00	.00
SOURCE NO.	14	FMC-CLEV.CASTINGPLANT,P011115,CUPOLA#1-5,5000ENGIE/BROOKPK/CUY									
P 14		431.20	4584.60	.00	38.120	.000	40.00	1.70	17.00	74.00	.00
SOURCE NO.	15	FMC-CLEV.CASTINGPLANT,P016,CUPULA#6,5600ENGIE/BROOKPK/CUY									
P 15		431.20	4584.40	.00	8.730	.000	40.00	3.40	6.10	71.00	.00
SOURCE NO.	16	FMC-CLEV.CASTINGPLANT,P017,CUPULA#7,5600ENGIE/BROOKPK/CUY									
P 16		431.20	4584.30	.00	7.830	.000	40.00	3.40	18.70	160.00	.00
SOURCE NO.	17	FMC-ENGINEPLANT#2,B020-24,BOILER#1-5,18300FIVEPOINTRD/BROOKPK/CUY(73)									
P 17		430.70	4583.80	.00	151.500	.000	41.80	4.60	6.00	293.00	.00
SOURCE NO.	18	FMC-STAMPINGPLANT,B002-4,BOILERS#3,7,1,7845NORTHFIELDRD/WALTONHILLS/CUY									
P 18		456.10	4577.90	.00	13.400	.000	23.80	1.40	6.70	196.00	.00
SOURCE NO.	19	GENERALELECTRIC-REF.MET.PROD.,B001-02,OIL,BOILER#1,2,21800TUNGSTENRD/EUCLID/CUY									
P 19		455.60	4602.70	.00	26.240	.000	15.50	1.40	13.50	232.00	.00
SOURCE NO.	20	GENERALELECTRIC,B003-04,COAL,BOILERS#3,#5,TUNGSTENRD/EUCLID/CUY STANDBY									
P 20		455.60	4602.70	.00	.000	.000	45.70	2.00	2.80	260.00	.00
SOURCE NO.	21	MARSHAWCHEMICAL,B001,OIL,BOILER#7,11000HARVARD/CLE/CUY									
P 21		442.70	4588.50	.00	3.290	.000	19.80	1.80	5.50	204.00	.00
SOURCE NO.	22	MARSHAWCHEMICAL,B002,3,OIL,BOILERS#8,91000HARVARD/CLE/CUY									
P 22		442.70	4588.50	.00	1.540	.000	14.00	.80	12.90	204.00	.00
SOURCE NO.	23	MARSHAWCHEMICAL,P020,KILNABSORBTIONUNITS,HARVARD/CLE/CUY									
P 23		442.80	4588.80	.00	3.600	.000	36.60	.20	69.30	25.00	38.00
SOURCE NO.	24	HIGHLANDVIEWHOSP,B001,2,COAL,3901IMELANDOR/#ARKEENULLE/CUY(75)									
P 24		458.10	4589.10	.00	5.100	.000	37.00	2.40	9.00	316.00	.00
SOURCE NO.	25	HIGHLANDVIEWHOSP,B003,4,COAL,3901IMELANDOR/#ARKEENULLE/CUY(75)									
P 25		458.10	4589.10	.00	5.100	.000	37.00	2.40	9.00	316.00	.00
SOURCE NO.	26	HYDRAULICPRESS,P006,8900HEMLOCK/CLE./CUY.(73)									
P 26		447.80	4580.90	.00	13.100	.000	10.00	2.00	7.00	60.00	.00

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SOURCE ID	INPUT X(KM)	Y(KM)	X(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 27	INDEPENDENTOWELSUPPLYCO.•H001•3•COAL•BOILERS#1-3,1802CENTRAL/CLE/CUY									
P 27	443.50	4594.00	.00	12.600	.000	24.40	2.30	1.50	204.00	.00
SOURCE NO. 28	HUPPINC.•H001-3.COAL•BOILERS#1-3,1135VANHOERD/CLE/CUY.									
P 28	452.30	4600.10	.00	6.300	.000	53.30	3.00	9.00	260.00	.00
SOURCE NO. 29	JONES&LAUGHLINSTEEL•P010BLASTFURNACESTOVES9•10,1113341JENNINGS/CLE/CUY									
P 29	442.40	4590.10	.00	3.900	.000	61.00	3.00	10.70	316.00	.00
SOURCE NO. 30	JONES&LAUGHLINSTEEL•P011•BLASTFURNACESTOVES1A•2A•3A13341JENNINGS/CLE/CUY									
P 30	442.40	4590.10	.00	34.300	.000	76.20	3.40	6.70	315.00	.00
SOURCE NO. 31	JONES&LAUGHLINSTEEL•B002•OIL•BOILER#24,3341JENNINGSRD/CLE/CUY									
P 31	443.60	4591.50	.00	2.050	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 32	JONES&LAUGHLINSTEEL•B003•OIL•BOILER#25,3341JENNINGSRD/CLE/CUY									
P 32	443.60	4591.50	.00	2.050	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 33	JONES&LAUGHLINSTEEL•B004•OIL•BOILER#26,3341JENNINGSRD/CLE/CUY									
P 33	443.60	4591.50	.00	2.050	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 34	JONES&LAUGHLINSTEEL•B005•OIL•BOILER#27,3341JENNINGSRD/CLE/CUY									
P 34	443.60	4591.50	.00	2.050	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 35	JONES&LAUGHLINSTEEL•B006•OIL•BOILER#28,3341JENNINGSRD/CLE/CUY									
P 35	443.60	4591.50	.00	2.050	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 36	JONES&LAUGHLINSTEEL•B007•OIL•BOILER#29,3341JENNINGSRD/CLE/CUY									
P 36	443.60	4591.50	.00	2.050	.000	46.00	2.00	2.00	204.00	.00
SOURCE NO. 37	JONES&LAUGHLINSTEEL•B008•OIL•BOILER#30,3341JENNINGSRD/CLE/CUY									
P 37	443.60	4591.50	.00	9.230	.000	46.00	2.00	4.60	204.00	.00
SOURCE NO. 38	JONES&LAUGHLINSTEEL•B009•OIL•BOILER#31,3341JENNINGSRD/CLE/CUY									
P 38	443.60	4591.50	.00	4.480	.000	46.00	2.00	4.20	204.00	.00
SOURCE NO. 39	JONES&LAUGHLINSTEEL•B010•OIL•BOILER#32,3341JENNINGSRD/CLE/CUY									
P 39	443.60	4591.50	.00	5.430	.000	26.00	2.00	5.20	204.00	.00
SOURCE NO. 40	JONES&LAUGHLINSTEEL•B011•OIL•BOILER#33,3341JENNINGSRD/CLE/CUY									
P 40	443.60	4591.50	.00	5.130	.000	26.00	2.00	5.20	204.00	.00
SOURCE NO. 41	JONES&LAUGHLINSTEEL•B012•OIL•BOILER#34,3341JENNINGSRD/CLE/CUY									
P 41	443.60	4591.50	.00	9.750	.000	38.00	3.00	4.50	260.00	.00
SOURCE NO. 42	JONES&LAUGHLINSTEEL•B013OIL									
P 42	442.90	4590.80	.00	12.590	.000	46.00	3.00	18.00	127.00	.00
SOURCE NO. 43	LAKEWOODINCIN•N001•2•12920BEREAND/CLE/CUY(73)									
P 43	434.60	4590.50	.00	3.840	.000	30.00	2.00	8.00	427.00	.00
SOURCE NO. 44	LAKEWOODINCIN•N003-5•12920BEREAND/CLE/CUY(73)									
P 44	434.60	4590.50	.00	1.920	.000	30.00	2.00	11.00	510.00	.00
SOURCE NO. 45	MEDICALCENTER•B003•4•COAL•2250CINCLEDH./CLE/CUY									
P 45	449.20	4595.00	.00	42.140	.000	58.50	4.10	1.00	342.00	.00
SOURCE NO. 46	MEDICALCENTER•B005•6•7•8•COAL•2250CINCLEDH./CLE/CUY									
P 46	449.20	4595.00	.00	42.140	.000	59.10	3.30	1.40	371.00	.00
SOURCE NO. 47	NATIONALLEADINC..P001-2,28503HUS6/CLE/CUY(73)									
P 47	443.30	4592.20	.00	3.900	.000	30.00	1.00	26.00	66.00	120.00
SOURCE NO. 48	REPUBLICSTEEL-CLEV BOIST•P012•12INBAR.FCE•3100E45TH/CLE/CUY									
P 48	444.60	4591.40	.00	10.430	.000	45.70	2.10	8.50	399.00	.00
SOURCE NO. 49	REPUBLIC/STEEL-CLEV.DIST.•P013•10INBAR.FCE•3100E45TH/CLE/CUY•									
P 49	444.70	4591.50	.00	6.310	.000	45.70	2.10	6.30	538.00	.00
SOURCE NO. 50	REPUBLIC/STEEL-CLEV.DIST.•P014•#11PIT.3100E45TH/CLE/CUY•									
P 50	444.50	4591.20	.00	4.210	.000	53.30	1.90	4.80	493.00	.00
SOURCE NO. 51	REPUBLIC/STEEL-CLEV.DIST.•P015•#12PIT.3100E45TH/CLE/CUY•									
P 51	444.50	4591.20	.00	4.210	.000	53.30	1.90	4.80	493.00	.00
SOURCE NO. 52	REPUBLIC/STEEL-CLEV.DIST.•P016•#13PIT.3100E45TH/CLE/CUY•									
P 52	444.50	4591.20	.00	4.210	.000	53.30	1.90	4.80	493.00	.00

CDMI VERSION 78130. RUN 15

SOURCE ID	INPUT	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO.	53	REPUBLIC/STEEL-CLEV.DIST.,P017,#14PIT,3100E45TH/CLE/CUY,									
P 53		444.50	4591.10	.00	4.270	.000	53.30	1.90	4.80	493.00	.00
SOURCE NO.	54	REPUBLIC/STEEL-CLEV.DIST.,P018,#15PIT,3100E45TH/CLE/CUY,									
P 54		444.50	4591.10	.00	4.270	.000	53.30	1.90	4.80	493.00	.00
SOURCE NO.	55	REPUBLIC/STEEL-CLEV.DIST.,P028,2.,UNPRECIP111,3100E45TH/CLE/CUY,(PROJ.PHASEOUT)									
P 55		444.30	4591.40	.00	.000	.000	32.00	3.40	.80	260.00	.00
SOURCE NO.	56	REPUBLIC/STEEL-CLEV.DIST.,P030,31,UNPRECIP112,3100E45TH/CLE/CUY,(PROJ.PHASEOUT)									
P 56		444.30	4591.50	.00	.000	.000	32.00	3.50	.90	260.00	.00
SOURCE NO.	57	REPUBLIC/STEEL-CLEV.DIST.,P021,#02PIT,3100E45TH/									
P 57		444.50	4591.20	.00	1.140	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO.	58	REPUBLIC/STEEL-CLEV.DIST.,P022,#03PIT,3100E45TH/									
P 58		444.50	4591.20	.00	1.140	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO.	59	REPUBLIC/STEEL-CLEV.DIST.,P023,#04PIT,3100E45TH/									
P 59		444.50	4591.20	.00	1.140	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO.	60	REPUBLIC/STEEL-CLEV.DIST.,P024,#05PIT,3100E45TH/									
P 60		444.50	4591.20	.00	1.140	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO.	61	REPUBLIC/STEEL-CLEV.DIST.,P025,#06PIT,3100E45TH/									
P 61		444.50	4591.10	.00	1.140	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO.	62	REPUBLIC/STEEL-CLEV.DIST.,P026,#07PIT,3100E45TH/									
P 62		444.50	4591.10	.00	1.140	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO.	63	REPUBLIC/STEEL-CLEV.DIST.,P039,98INSLABFCE#1,3100E45TH/,(RETIRED3/74)									
P 63		443.20	4588.90	.00	.000	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO.	64	REPUBLIC/STEEL-CLEV.DIST.,P040,98INSLABFCE#2,3100E45TH/,(RETIRED3/74)									
P 64		443.20	4588.90	.00	.000	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO.	65	REPUBLIC/STEEL-CLEV.DIST.,P041,98INSLABFCE#3,3100E45TH/,(RETIRED3/74)									
P 65		443.20	4588.90	.00	.000	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO.	66	REPUBLICSTEEL-CLEV.DIST,P042,98INSLABFCE#4,3100E45TH/CLE/CUY,(RETIRED3/74)									
P 66		443.20	4588.90	.00	.000	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO.	67	REPUBLICSTEEL-CLEV.DIST,P043,98INSLABFCE#5,3100E45TH/CLE/CUY,(RETIRED3/74)									
P 67		443.20	4588.90	.00	.000	.000	51.80	2.40	9.00	704.00	.00
SOURCE NO.	68	REPUBLICSTEEL-CLEV.DIST,P046,84INSLABFCE#1,3100E45TH/CLE/CUY,(RETIRED3/74)									
P 68		443.60	4589.00	.00	.000	.000	49.10	4.90	10.20	1038.00	.00
SOURCE NO.	69	REPUBLICSTEEL-CLEV.DIST,P047,84INSLABFCE#2,3100E45TH/CLE/CUY,(RETIRED3/74)									
P 69		443.60	4589.00	.00	.000	.000	49.10	4.90	10.20	1038.00	.00
SOURCE NO.	70	REPUBLICSTEEL-CLEV.DIST,SINTERPLANT,3100E45TH/CLE/CUY,(RETIRED5/74)									
P 70		444.00	4591.20	.00	.000	.000	38.10	1.80	2.20	204.00	.00
SOURCE NO.	71	REPUBLICSTEEL-CLEV.DISTRICT,P027,#08PIT,E45THST/CLE/CUY									
P 71		444.50	4591.10	.00	1.140	.000	45.70	1.50	1.80	371.00	.00
SOURCE NO.	72	REPUBLICSTEEL-CLEV.DISTRICT,P048,84INSLABFCE#3,E45TH/CLE/CUY									
P 72		443.60	4589.00	.00	28.430	.000	49.00	4.90	10.20	1038.00	.00
SOURCE NO.	73	REPUBLICSTEEL-CLEV.DISTRICT,PNEW,84INANNENLS,E45TH/CLE/CUY									
P 73		443.30	4588.90	.00	4.120	.000	32.90	4.60	10.10	51.70	.00
SOURCE NO.	74	REPUBLICSTEEL-CLEV.DISTRICT,PNEW,84INANNENLN,E45TH/CLE/CUY									
P 74		443.30	4589.00	.00	4.120	.000	32.90	4.60	10.10	51.70	.00
SOURCE NO.	75	REPUBLICSTEEL-CLEV.DISTRICT,P004,CUREBATTERY#7,E45TH/CLE/CUY									
P 75		443.60	4590.00	.00	10.300	.000	76.20	3.10	5.70	366.00	.00
SOURCE NO.	76	REPUBLICSTEEL-CLEV.DISTRICT,P005,CUREBATTERY#6,E45TH/CLE/CUY									
P 76		443.80	4590.00	.00	10.730	.000	76.20	3.10	5.70	366.00	.00
SOURCE NO.	77	REPUBLICSTEEL-CLEV.DISTRICT,P034,CUREBATTERY#5,E45TH/CLE/CUY									
P 77		444.80	4590.60	.00	2.350	.000	76.20	3.20	4.20	366.00	.00
SOURCE NO.	78	REPUBLICSTEEL-CLEV.DISTRICT,P035,CUREBATTERY#4,E45TH/CLE/CUY									
P 78		444.70	4590.80	.00	13.430	.000	65.50	2.70	4.90	366.00	.00

CDMI VERSION (6)30. RUN 15

SOURCE INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
SOURCE NO. 79	REPUBLICSTEEL-CLEV.DISTRICT,P036,COKEBATTERY#3,E45TH/CLE/CUY									
P 79	444.60	4590.80	.00	13.430	.000	68.60	2.80	5.30	366.00	.00
SOURCE NO. 80	REPUBLICSTEEL-CLEV.DISTRICT,P037,COKEBATTERY#2,E45TH/CLE/CUY									
P 80	444.50	4590.80	.00	13.430	.000	76.20	2.80	4.90	366.00	.00
SOURCE NO. 81	REPUBLICSTEEL-CLEV.DISTRICT,B004,BOILER4,E45TH/CLE/CUY(6:23:76 LETTER									
P 81	443.80	4591.40	.00	63.240	.000	68.60	3.30	7.00	260.00	.00
SOURCE NO. 82	REPUBLICSTEEL-CLEV.DISTRICT,B007,BOILER3,E45TH/CLE/CUY(6:23:76 LETTER)									
P 82	443.60	4590.10	.00	51.520	.000	37.50	3.40	7.80	299.00	.00
SOURCE NO. 83	REPUBLICSTEEL-CLEV.DISTRICT,B009//,,BOILER 234,E45TH/CLE/CUY(6:23:76 LETTER)									
P 83	444.30	4591.50	.00	31.000	.000	68.60	2.70	6.40	249.00	.00
SOURCE NO. 84	REPUBLICSTEEL-CLEV.DISTRICT,B001,BOILER A,2615W.3RDST/CLE/CUY(6:23:76 LETTER)									
P 84	443.80	4591.30	.00	49.220	.000	44.50	3.20	9.80	260.00	.00
SOURCE NO. 85	REPUBLICSTEEL-CLEV.DISTRICT,B002,BOILER B,2615W.3RDST/CLE/CUY(6:23:76 LETTER)									
P 85	443.80	4591.40	.00	46.980	.000	44.50	3.20	19.70	260.00	.00
SOURCE NO. 86	REPUBLICSTEEL-CLEV.DISTRICT,B003,BOILER C,2615W.3RDST/CLE/CUY(6:23:76 LETTER)									
P 86	443.80	4591.40	.00	48.100	.000	44.50	3.20	10.00	260.00	.00
SOURCE NO. 87	REPUBLICSTEEL-CLEV.DISTRICT,B005,6,BOILER1,2,3430CAMPBELLRD/CLE/CUY									
P 87	443.70	4591.20	.00	47.540	.000	45.70	4.60	5.00	299.00	.00
SOURCE NO. 88	STANDARDOILCO.OHIO-ASPHALTPLANT,B002,3,4,,BOILERS#10,9,7,2635BROADWAY/CLE/CUY									
P 88	443.90	4592.30	.00	5.000	.000	76.20	4.70	.60	154.00	.00
SOURCE NO. 89	U.S.STEEL-CUY/LORWORKS,P001,D-6BLASTFCE,2650BROADWAY/CLE/CUY,(73)									
P 89	443.60	4592.70	.00	2.600	.000	69.80	3.40	5.60	204.00	.00
SOURCE NO. 90	U.S.STEEL-CUY/LORWORKS,P002,ABLASTFCE,2650BROADWAY/CLE/CUY,(73)									
P 90	443.70	4592.80	.00	2.600	.000	64.60	3.00	11.40	204.00	.00
SOURCE NO. 91	U.S.STEEL-CUY/LORWORKS,B001,BOILER#1,2650BROADWAY/CLE/CUY									
P 91	443.50	4592.80	.00	4.970	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 92	U.S.STEEL-CUY/LORWORKS,B002,BOILER#2,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY,									
P 92	443.50	4592.80	.00	4.970	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 93	U.S.STEEL-CUY/LORWORKS,B003,BOILER#3,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY,									
P 93	443.50	4592.80	.00	4.970	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 94	U.S.STEEL-CUY/LORWORKS,B004,BOILER#4,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY,									
P 94	443.50	4592.80	.00	4.970	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 95	U.S.STEEL-CUY/LORWORKS,B005,BOILER#5,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY,									
P 95	443.50	4592.80	.00	4.970	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 96	U.S.STEEL-CUY/LORWORKS,B006,BOILER#6,2650BROADWAY/CLE/CUY,MAY 5 (114) REPLY,									
P 96	443.50	4592.80	.00	4.800	.000	47.50	2.10	5.90	232.00	.00
SOURCE NO. 97	U.S.STEEL-CUYAHOGAWORKS,B001,BOILER#1,4300E49TH/CLE/CUY,MAY 5 (114) REPLY									
P 97	444.40	4588.00	.00	22.010	.000	30.50	1.50	4.80	249.00	.00
SOURCE NO. 98	U.S.STEEL-CUYAHOGAWORKS,B002,BOILER#2,4300E49TH/CLE/CUY,MAY>> 5 (114) REPLY									
P 98	444.40	4588.00	.00	22.010	.000	30.50	1.50	4.80	249.00	.00
SOURCE NO. 99	U.S.STEEL-CUYAHOGAWORKS,B003,BOILER#3,4300E49TH/CLE/CUY,MAY>> 5 (114) REPLY									
P 99	444.40	4588.00	.00	5.180	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 100	U.S.STEEL-CUYAHOGAWORKS,B004,BOILER#5,4300E49TH/CLE/CUY,MAY>> 5 (114) REPLY									
P 100	444.40	4588.00	.00	5.180	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 101	U.S.STEEL-CUYAHOGAWORKS,B005,BOILER#6,4300E49TH/CLE/CUY,(73)									
P 101	444.40	4588.00	.00	5.180	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 102	U.S.STEEL-CUYAHOGAWORKS,B006,BOILER#7,4300E49TH/CLE/CUY,(73)									
P 102	444.40	4588.00	.00	.000	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 103	U.S.STEEL-CUYAHOGAWORKS,B007,BOILER#4,4300E49TH/CLE/CUY,(73)									
P 103	444.40	4588.00	.00	.000	.000	22.90	1.30	4.70	249.00	.00
SOURCE NO. 104	CEI-EASTLAKEPLANT,TURBINE,EASTLAKE/LAKE									
P 104	463.00	4613.20	.00	6.200	.000	12.00	4.00	22.00	535.00	.00

CDMI VERSION 78130, RUN 15

SOURCE INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 105	CEI-EASTLAKEPLANT,B001,UNIT#1,EASTLAKE/LAKE									
P 105	463.00	4613.00	.00	176.460	.000	91.40	4.90	7.00	124.00	.00
SOURCE NO. 106	CEI-EASTLAKEPLANT,B002,UNIT#2,EASTLAKE/LAKE									
P 106	463.00	4613.00	.00	176.050	.000	91.40	4.90	7.00	124.00	.00
SOURCE NO. 107	CEI-EASTLAKEPLANT,B003,UNIT3,EASTLAKE/LAKE									
P 107	463.00	4613.00	.00	180.170	.000	91.40	4.90	7.00	124.00	.00
SOURCE NO. 108	CEI-EASTLAKEPLANT,B004,UNIT#4,EASTLAKE/LAKE									
P 108	463.00	4612.90	.00	324.550	.000	91.40	5.50	9.90	107.00	.00
SOURCE NO. 109	CEI-EASTLAKEPLANT,B005,UNIT#5,EASTLAKE/LAKE									
P 109	463.00	4612.90	.00	873.270	.000	182.80	7.30	15.10	127.00	.00
SOURCE NO. 110	DIAMONDSHAMROCKCHEMICAL,B001,BOILER#33,SECONDST/FAIRPORTHARBOR/LAKE									
P 110	478.30	4622.80	.00	.000	.000	53.60	4.30	8.40	153.90	.00
SOURCE NO. 111	DIAMONDSHAMROCKCHEMICAL,B002,BOILER#34,2NDST./FAIRPORT/LAKE									
P 111	478.30	4622.80	.00	.000	.000	53.60	4.30	9.00	174.40	.00
SOURCE NO. 112	DIAMONDSHAMROCKCHEMICAL,B003,BOILER#35,2NDST./FAIRPORT/LAKE									
P 112	478.30	4622.80	.00	.000	.000	49.00	2.40	16.90	155.00	.00
SOURCE NO. 113	DIAMONDSHAMROCKCHEMICAL,B004,BOILER#36,2NDST./FAIRPORT/LAKE									
P 113	478.30	4622.80	.00	.000	.000	54.00	4.60	4.60	222.80	.00
SOURCE NO. 114	DIAMONDSHAMROCKCHEMICAL,B005,BOILER#1,2NDST./FAIRPORT/LAKE									
P 114	478.30	4622.80	.00	.000	.000	68.60	3.80	8.90	289.40	.00
SOURCE NO. 115	DIAMONDSHAMROCKCHEMICAL,B006,BOILER#2,2NDST./FAIRPORT/LAKE									
P 115	478.30	4622.80	.00	.000	.000	68.60	3.80	8.90	289.40	.00
SOURCE NO. 116	DIAMOND SHAMROCK CHEMICAL,B008,BOILER#4,2NDST./FAIRPORT/LAKE									
P 116	478.30	4622.80	.00	.000	.000	15.50	1.50	10.60	315.60	.00
SOURCE NO. 117	DIAMOND SHAMROCK CHEMICAL,B009,BOILER#5,2NDST./FAIRPORT/LAKE									
P 117	478.30	4622.80	.00	.000	.000	18.30	2.00	10.30	315.60	.00
SOURCE NO. 118	DIAMOND SHAMROCK CHEMICAL,B012,BOILER#6,2NDST./FAIRPORT/LAKE									
P 118	478.30	4622.80	.00	.000	.000	15.70	1.20	29.30	343.00	.00
SOURCE NO. 119	DIAMONDSHAMROCKCHEMICAL,B013,BOILER#7,2NDST./FAIRPORT/LAKE									
P 119	478.30	4622.80	.00	.000	.000	15.70	1.20	29.30	343.00	.00
SOURCE NO. 120	DIAMONDSHAMROCKCHEMICAL,P028,#4LIMEKILN,2NDST./FAIRPORT/LAKE									
P 120	478.30	4622.80	.00	.000	.000	60.90	2.40	1.10	316.00	.00
SOURCE NO. 121	DIAMONDSHAMROCKCHEMICAL,B007,#3LIMEKILN,2NDST./FAIRPORT/LAKE									
P 121	478.30	4622.80	.00	.000	.000	68.60	3.80	8.90	289.40	.00
SOURCE NO. 122	IRCFIBERSCO.-UNIONIRONWORKS,B001,750HACONRD/PAINES./LAKE,(73)									
P 122	482.90	4624.50	.00	17.640	.000	54.30	3.40	9.80	288.00	.00
SOURCE NO. 123	IRCFIBERSCO.-UNIONIRONWORKS,B002,750HACONRD/PAINES/LAKE,(73)									
P 123	482.90	4624.50	.00	15.420	.000	54.30	3.40	9.80	288.00	.00
SOURCE NO. 124	LUBRIZOLCORP.,B001, /WICKLIFFE/LAKE									
P 124	460.00	4606.50	.00	4.680	.000	15.00	1.00	7.00	288.00	.00
SOURCE NO. 125	LUBRIZOLCORP.,B001,#20IL,5%,155FREEDOMRD/PAINESVILLE/LAKE									
P 125	477.20	4618.30	.00	3.280	.000	17.00	1.00	7.90	205.00	.00
SOURCE NO. 126	OHIORUBBER,B001,BENHURAVE/WILLAGHBY/LAKE									
P 126	465.40	4610.20	.00	45.400	.000	24.10	1.90	7.60	288.00	.00
SOURCE NO. 127	PAINEVILLEMUNICPALLITE,B001-4,325RICHMONDST/PAINESVILLE/LAKE									
P 127	478.90	4619.20	.00	201.300	.000	75.30	3.10	4.00	188.00	.00
SOURCE NO. 128	PAINEVILLEMUNICIPALLITE,B005,325RICHMONDST/PAINESVILLE/LAKE									
P 128	478.90	4619.20	.00	44.550	.000	48.80	2.40	1.20	175.00	.00
SOURCE NO. 129	REPUBLICSTEEL-LIMEPLANT,P001,P002,GRANDRIVER/LAKE									
P 129	476.40	4621.90	.00	48.900	.000	41.20	3.20	15.60	288.00	.00
SOURCE NO. 130	ADDRESSOGRAPH,B003,BABBITTRD./CLE/CO									
P 130	457.60	4604.60	.00	8.370	.000	25.90	1.40	4.60	232.00	.00

CDMI VERSION 78130. RUN 15

SOURCE ID	INPUT X(KM)	Y(KM)	Z(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 131	UNIROYALCHEMICALPLANT,B001,B002,B003,720NORSERYRD/FAIRPORT/LAKE									
P 131	400.40	4623.60	.00	51.730	.000	52.70	2.40	1.60	204.00	.00
SOURCE NO. 132	GMCFISHERBODYPLANT,B004,LOWELL ST/ELYRIA/LORAIN									
P 132	405.30	4579.80	.00	13.100	.000	22.00	1.40	9.90	177.00	.00
SOURCE NO. 133	ADDRESSOGRAPH,B001,1200BABBITTRD/CLE/CUY									
P 133	457.60	4604.60	.00	8.370	.000	25.90	1.40	4.60	232.00	.00
SOURCE NO. 134	ADDRESSOGRAPH,B002,1200BABBITTRD/CLE/CUY									
P 134	457.60	4604.60	.00	8.740	.000	45.70	1.80	4.60	232.00	.00
SOURCE NO. 135	ALCOA,B001-3,2210HARVARDAVE/CLE/CUY									
P 135	444.00	4588.30	.00	10.110	.000	61.00	2.70	9.00	204.00	.00
SOURCE NO. 136	ALCOA,B004-5,2210HARVARDAVE/CLE/CUY									
P 136	444.00	4588.30	.00	11.420	.000	45.70	2.30	9.00	204.00	.00
SOURCE NO. 137	ALLIEDCHEMICAL,P001-2,5000WARNERRD/CLE/CUY									
P 137	446.90	4585.30	.00	9.080	.000	21.30	.50	3.60	80.00	.00
SOURCE NO. 138	CHASEBAG,B001-2,218CLEVELANDROLLLE/CUY									
P 138	467.70	4586.80	.00	17.400	.000	51.20	1.80	4.60	316.00	.00
SOURCE NO. 139	GMC-TRANSMISSIONPLANT,B001,STUMPRD/PARMA/CUY									
P 139	435.40	4585.10	.00	14.610	.000	21.90	1.60	11.70	199.00	.00
SOURCE NO. 140	GMC-TRANSMISSION PLANT,B004,STUMP RD/PARMA/CUY									
P 140	435.40	4585.10	.00	15.700	.000	21.90	1.60	8.30	371.00	.00
SOURCE NO. 141	CEI-AVONLAKEPLANT,UNITS#1,2,33510LAKERD./AVONLAKE/LORAIN									
P 141	412.20	4595.20	.00	116.480	.000	84.50	5.50	3.00	111.00	.00
SOURCE NO. 142	CEI-AVONLAKEPLANT,UNITS3,4,33510LAKERD./AVONLAKE/LORAIN									
P 142	412.20	4595.20	.00	116.480	.000	84.50	5.50	3.00	111.00	.00
SOURCE NO. 143	CEI-AVONLAKEPLANT,UNITS5,6,33510LAKERD./AVONLAKE/LORAIN									
P 143	412.20	4595.20	.00	116.480	.000	84.50	5.50	3.00	111.00	.00
SOURCE NO. 144	CEI-AVONLAKEPLANT,UNITS#7,8,33510LAKERD./AVONLAKE/LORAIN									
P 144	412.20	4595.20	.00	116.480	.000	84.50	5.50	3.00	111.00	.00
SOURCE NO. 145	CEI-AVONLAKEPLANT,UNITS#9,33510LAKERD./AVONLAKE/LORAIN									
P 145	412.20	4595.20	.00	103.040	.000	90.00	4.00	10.00	121.00	.00
SOURCE NO. 146	CEI-AVONLAKEPLANT,UNITS#10,33510LAKERD./AVONLAKE/LORAIN									
P 146	412.20	4595.20	.00	102.810	.000	90.00	4.00	10.00	121.00	.00
SOURCE NO. 147	CEI-AVONLAKEPLANT,UNITS#11,33510LAKERD./AVONLAKE/LORAIN									
P 147	412.10	4595.20	.00	273.470	.000	120.00	5.20	10.00	107.00	.00
SOURCE NO. 148	CEI-AVONLAKEPLANT,UNITS#12,33510LAKERD./AVONLAKE/LORAIN									
P 148	412.00	4595.20	.00	741.980	.000	183.00	7.30	15.00	127.00	.00
SOURCE NO. 149	GMC-FISHERBODYPLANT,B001,LOWELLST/ELYRIA/LORAIN									
P 149	405.30	4579.80	.00	7.290	.000	22.00	1.20	10.00	287.00	.00
SOURCE NO. 150	GMC-FISHERBODYPLANT,B002,LOWELLST/ELYRIA/LORAIN									
P 150	405.30	4579.80	.00	1.540	.000	22.00	1.20	10.00	287.00	.00
SOURCE NO. 151	GM-CFISHERBODYPLANT,B003,LOWELLST/ELYRIA/LORAIN									
P 151	405.30	4579.80	.00	16.930	.000	22.00	1.30	9.60	166.00	.00
SOURCE NO. 152	FMC-LORAINASSEMBLYPLANT,B001,RT602TOBAUNHARTRT/					/LORAIN				
P 152	394.00	4586.50	.00	19.940	.000	24.40	1.70	7.30	192.00	.00
SOURCE NO. 153	FMC-LORAIN ASSEM PLANT			,B002,RT602TOBAUNHARTRD/		/LORAIN				
P 153	394.00	4586.50	.00	19.940	.000	24.40	1.70	7.30	192.00	.00
SOURCE NO. 154	FMC-LORAIN ASSEMBLY PLANT			,B003,RT602TOBAUNHARTRD/		/LORAIN				
P 154	394.00	4586.50	.00	19.940	.000	24.40	1.70	7.30	192.00	.00
SOURCE NO. 155	OHIO/EDISON-EDGEWATER/PLANT,UNITS1-2,2000BERLIN/					LORAIN				
P 155	400.60	4591.30	.00	288.120	.000	77.50	5.30	5.10	164.00	.00
SOURCE NO. 156	OHIO/EDISON-EDGEWATER/PLANT,UNITS3,2000BERLIN/					LORAIN				
P 156	400.60	4591.30	.00	336.680	.000	85.40	3.20	14.00	127.00	.00

CDM1 VERSION 78110. RUN 15

SOURCE ID	INPUT X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
SOURCE NO. 157	USSTEEL-LORAINWORKS,B001,1807E28TH/LORAIN/LORAIN									
P 157	404.20	4589.00	.00	10.950	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 158	USSTEEL-LORAINWORKS,B002,1807E28TH/LORAIN/LORAIN									
P 158	404.20	4589.00	.00	10.950	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 159	USSTEEL-LORAINWORKS,B003,1807E28TH/LORAIN/LORAIN									
P 159	404.20	4589.00	.00	10.950	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 160	USSTEEL-LORAINWORKS,B004,1807E28TH/LORAIN/LORAIN									
P 160	404.20	4589.00	.00	10.950	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 161	USSTEEL-LORAINWORKS,B005,1807E28TH/LORAIN/LORAIN									
P 161	404.20	4589.00	.00	10.950	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 162	USSTEEL-LORAINWORKS,B006,1807E28TH/LORAIN/LORAIN									
P 162	404.20	4589.00	.00	10.950	.000	29.90	2.40	7.60	232.00	.00
SOURCE NO. 163	USSTEEL-LORAINWORKS,B007,1807E28TH/LORAIN/LORAIN									
P 163	404.30	4589.00	.00	21.600	.000	29.90	2.40	11.80	232.00	.00
SOURCE NO. 164	USSTEEL-LORAINWORKS,B008,1807E28TH/LORAIN/LORAIN									
P 164	404.30	4589.00	.00	21.600	.000	29.90	2.40	11.80	232.00	.00
SOURCE NO. 165	USSTEEL-LORAINWORKS,B009,1807E28TH/LORAIN/LORAIN									
P 165	404.30	4589.00	.00	21.600	.000	29.90	2.40	11.80	232.00	.00
SOURCE NO. 166	USSTEEL-LORAINWORKS,B013,1807E28TH/LORAIN/LORAIN									
P 166	404.10	4589.10	.00	11.400	.000	35.70	3.70	19.10	232.00	.00
SOURCE NO. 167	USSTEEL-LORAINWORKS,P021,COKEBATTERYD,LORAIN/LORAIN									
P 167	404.80	4589.30	.00	5.260	.000	76.20	3.70	2.00	232.00	.00
SOURCE NO. 168	USSTEEL-LORAINWORKS,P020,COKEBATTERYJ,K,L,LORAIN/LORAIN									
P 168	404.90	4589.40	.00	15.390	.000	76.20	3.70	1.90	232.00	.00
SOURCE NO. 169	USSTEEL-LORAINWORKS,P019,COKEBATTERYG,H,I,LORAIN/LORAIN									
P 169	404.80	4589.30	.00	13.980	.000	76.20	3.70	2.00	232.00	.00
SOURCE NO. 170	USSTEEL-LORAINWORKS,P006-14,ROLLINGMILL-SOAKINGPITFEB#1-9,LORAIN/LORAIN									
P 170	405.30	4589.00	.00	1.920	.000	38.10	1.80	.80	260.00	.00
SOURCE NO. 171	USSTEEL-LORAINWORKSP015-16,ROLLINGMILL-SOAKINGPITFEB#10-11,LORAINLORAIN									
P 171	405.30	4589.10	.00	1.760	.000	38.10	1.80	.80	260.00	.00
SOURCE NO. 172	USSTEEL-LORAINWORKS,P017-18,ROLLINGMILL-SOAKINGPITFEB#12-15,LORAINLORAIN									
P 172	405.30	4589.10	.00	3.520	.000	51.50	2.40	.90	260.00	.00
SOURCE NO. 173	USSTEEL-LORAINWORKS,P034,#2REHEATFER ,LORAIN/LORAIN									
P 173	406.70	4589.20	.00	.310	.000	38.10	1.20	10.60	310.00	.00
SOURCE NO. 174	USSTEEL-LORAINW RKSP035,#3ROTARYHER ,LORAIN/LORAIN									
P 174	406.70	4589.40	.00	3.940	.000	14.00	1.10	4.90	232.00	.00
SOURCE NO. 175	USSTEEL-LORAINWORKS,P036,#1REHEATHER ,LORAIN/LORAIN									
P 175	406.70	4589.30	.00	.530	.000	38.10	1.50	2.00	316.00	.00
SOURCE NO. 176	USSTEEL-LORAINWORKS,P037,#3REHEATFER ,LORAINLORAIN									
P 176	406.70	4589.30	.00	1.130	.000	38.10	1.50	4.30	316.00	.00
SOURCE NO. 177	USSTEEL-LORAINWORKS,P038,#3 ,LORAIN/LORAIN									
P 177	406.80	4589.20	.00	1.050	.000	38.10	1.50	4.00	316.00	.00
SOURCE NO. 178	USSTEEL-LORAINWORKS,P040,#4REHEATFCE,LORAIN/LORAIN									
P 178	406.10	4589.40	.00	2.830	.000	30.50	1.60	5.30	316.00	.00
SOURCE NO. 179	USSTEEL-LORAINWORKS,P041,#1KETTLE ,LORAIN/LORAIN									
P 179	406.20	4589.20	.00	1.600	.000	30.50	1.20	2.80	316.00	.00
SOURCE NO. 180	USSTEEL-LORAINWORKS,P042,#2KETILE ,LORAIN/LORAIN									
P 180	406.20	4589.20	.00	2.110	.000	30.50	1.20	1.40	316.00	.00
SOURCE NO. 181	USSTEEL-LORAINWORKS,P043#3KETTLE ,LORAIN/LORAIN									
P 181	406.20	4589.20	.00	3.130	.000	30.50	1.20	4.90	316.00	.00
SOURCE NO. 182	GMC-TRANSMISSION PLANT,B002,STUMP RD,PARMA/CUYCO.									
P 182	435.40	4585.10	.00	15.730	.000	21.90	1.60	11.70	199.00	.00

SOURCE ID	INPUT X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
SOURCE NO. 183	GMC-TRANSMISSION PLANT,A003,STUMP RD,PARMA/CUYCO.									
P 183	435.40	4585.10	.00	12.400	.000	21.90	1.60	8.30	371.00	.00
SOURCE NO. 184	LUBRIZOL,A002,155FREEDOMRD/PAINESVILLE/LAKE									
P 184	477.20	4618.30	.00	3.010	.000	17.00	1.00	7.90	205.00	.00
SOURCE NO. 185	LUBRIZOL,A003,155FREEDOMRD/PAINESVILLE/LAKE									
P 185	477.20	4618.30	.00	3.010	.000	17.00	1.00	7.90	205.00	.00
SOURCE NO. 186	US STEEL-LORAIN WORKS,B010,180/ E 28TH/LOR/LOR CO. (MAY 76,114)									
P 186	404.90	4589.10	.00	5.130	.000	24.40	3.70	2.20	232.00	.00
SOURCE NO. 187	US STEEL-LORAIN WORKS,B011,180/ E 28TH/LORAIN/LOR CO (MAY 76 114)/									
P 187	404.90	4589.10	.00	5.130	.000	24.40	3.70	2.20	232.00	.00
SOURCE NO. 188	US STEEL-LORAIN WORKS,B012,180/ E 28TH/LORAIN/LOR CO (MAY 76 114)/									
P 188	404.90	4589.10	.00	5.130	.000	24.40	3.70	2.20	232.00	.00
SOURCE NO. 189	USSTEEL-LORAINWORKS,P033, ,LORAIN/LORAIN									
P 189	406.70	4589.30	.00	2.880	.000	14.00	1.10	.70	232.00	.00
SOURCE NO. 190	USSTEEL-LORAINWORKS,P039, ,LORAIN/LORAIN									
P 190	406.70	4589.30	.00	.350	.000	14.00	1.10	.70	232.00	.00
SOURCE NO. 191	LUBRIZOL CORP.,P012,CHEM.,REAT,PROCESS,155FREEDOM RD./PA/LAKE									
P 191	477.20	4618.30	.00	7.740	.000	8.70	.80	15.00	815.90	.00

@ADD,P CSFP-CL-BAR2.

CDMI VERSION 78130. RUN 15

SOURCE	INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A	1	420.00	4590.00	2500.00	3.770	.720	20.00	.00	.00	.00	.00
A	2	420.00	4592.50	2500.00	4.280	.770	20.00	.00	.00	.00	.00
A	3	422.50	4590.00	2500.00	7.380	1.370	20.00	.00	.00	.00	.00
A	4	420.00	4585.00	5000.00	23.050	4.090	20.00	.00	.00	.00	.00
A	5	420.00	4580.00	5000.00	21.630	3.890	20.00	.00	.00	.00	.00
A	6	442.50	4592.50	2500.00	18.630	3.500	20.00	.00	.00	.00	.00
A	7	425.00	4590.00	2500.00	8.770	1.400	20.00	.00	.00	.00	.00
A	8	425.00	4587.50	2500.00	11.620	2.050	20.00	.00	.00	.00	.00
A	9	425.00	4585.00	2500.00	10.850	1.950	20.00	.00	.00	.00	.00
A	10	427.50	4592.50	2500.00	2.120	.490	20.00	.00	.00	.00	.00
A	11	427.50	4590.00	2500.00	13.620	2.620	20.00	.00	.00	.00	.00
A	12	427.50	4587.50	2500.00	12.530	2.290	20.00	.00	.00	.00	.00
A	13	427.50	4585.00	2500.00	8.590	4.350	20.00	.00	.00	.00	.00
A	14	425.00	4580.00	5000.00	14.790	14.040	20.00	.00	.00	.00	.00
A	15	425.00	4575.00	5000.00	24.240	4.430	20.00	.00	.00	.00	.00
A	16	425.00	4570.00	5000.00	1.870	.530	20.00	.00	.00	.00	.00
A	17	430.00	4592.50	2500.00	9.020	1.700	20.00	.00	.00	.00	.00
A	18	430.00	4590.00	2500.00	22.870	4.260	20.00	.00	.00	.00	.00
A	19	430.00	4587.50	2500.00	16.710	3.080	20.00	.00	.00	.00	.00
A	20	430.00	4585.00	2500.00	16.480	3.060	20.00	.00	.00	.00	.00
A	21	430.00	4582.50	2500.00	9.030	4.430	20.00	.00	.00	.00	.00
A	22	430.00	4580.00	2500.00	8.670	1.470	20.00	.00	.00	.00	.00
A	23	432.50	4592.50	2500.00	14.200	2.740	20.00	.00	.00	.00	.00
A	24	432.50	4590.00	2500.00	33.100	6.180	20.00	.00	.00	.00	.00
A	25	432.50	4587.50	2500.00	22.440	4.170	20.00	.00	.00	.00	.00
A	26	432.50	4585.00	2500.00	14.770	2.830	20.00	.00	.00	.00	.00
A	27	432.50	4582.50	2500.00	14.450	2.570	20.00	.00	.00	.00	.00
A	28	432.50	4580.00	2500.00	8.400	1.450	20.00	.00	.00	.00	.00
A	29	430.00	4575.00	5000.00	7.980	1.480	20.00	.00	.00	.00	.00
A	30	430.00	4570.00	5000.00	6.040	1.090	20.00	.00	.00	.00	.00
A	31	435.00	4592.50	2500.00	17.810	3.740	20.00	.00	.00	.00	.00
A	32	435.00	4590.00	2500.00	23.510	5.120	20.00	.00	.00	.00	.00
A	33	435.00	4587.50	2500.00	20.180	4.340	20.00	.00	.00	.00	.00
A	34	435.00	4585.00	2500.00	5.970	1.140	20.00	.00	.00	.00	.00
A	35	435.00	4582.50	2500.00	16.840	3.060	20.00	.00	.00	.00	.00
A	36	435.00	4580.00	2500.00	20.980	3.780	20.00	.00	.00	.00	.00
A	37	437.50	4592.50	2500.00	8.040	1.610	20.00	.00	.00	.00	.00
A	38	437.50	4590.00	2500.00	29.670	6.080	20.00	.00	.00	.00	.00
A	39	437.50	4587.50	2500.00	10.220	2.590	20.00	.00	.00	.00	.00
A	40	437.50	4585.00	2500.00	17.970	3.950	20.00	.00	.00	.00	.00
A	41	437.50	4582.50	2500.00	20.400	4.280	20.00	.00	.00	.00	.00
A	42	437.50	4580.00	2500.00	10.410	1.850	20.00	.00	.00	.00	.00
A	43	435.00	4575.00	5000.00	23.740	4.160	20.00	.00	.00	.00	.00
A	44	435.00	4570.00	5000.00	4.630	.870	20.00	.00	.00	.00	.00
A	45	440.00	4595.00	2500.00	2.630	1.330	20.00	.00	.00	.00	.00
A	46	440.00	4592.50	2500.00	1.840	.480	20.00	.00	.00	.00	.00
A	47	440.00	4590.00	2500.00	21.630	4.660	20.00	.00	.00	.00	.00
A	48	440.00	4587.50	2500.00	24.050	5.090	20.00	.00	.00	.00	.00
A	49	440.00	4585.00	2500.00	22.660	4.850	20.00	.00	.00	.00	.00
A	50	440.00	4582.50	2500.00	22.610	4.040	20.00	.00	.00	.00	.00
A	51	440.00	4580.00	2500.00	15.580	2.700	20.00	.00	.00	.00	.00

CDMI VERSION 76130. RUN 15

SOURCE INPUT

	ID	X(KM)	Y(KM)	IX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A	52	442.50	4595.00	2500.00	5.650	4.020	20.00	.00	.00	.00	.00
A	53	442.50	4590.00	1250.00	2.400	2.660	20.00	.00	.00	.00	.00
A	54	442.50	4587.50	1250.00	1.510	1.270	20.00	.00	.00	.00	.00
A	55	442.50	4585.00	2500.00	5.400	1.080	20.00	.00	.00	.00	.00
A	56	442.50	4582.50	2500.00	3.830	.670	20.00	.00	.00	.00	.00
A	57	442.50	4580.00	2500.00	7.430	1.310	20.00	.00	.00	.00	.00
A	58	440.00	4575.00	5000.00	13.590	2.380	20.00	.00	.00	.00	.00
A	59	440.00	4570.00	5000.00	9.130	1.650	20.00	.00	.00	.00	.00
A	60	445.00	4597.50	2500.00	2.350	.550	20.00	.00	.00	.00	.00
A	61	445.00	4595.00	2500.00	46.770	9.880	20.00	.00	.00	.00	.00
A	62	445.00	4592.50	2500.00	33.520	7.160	20.00	.00	.00	.00	.00
A	63	445.00	4590.00	2500.00	22.200	4.880	20.00	.00	.00	.00	.00
A	64	445.00	4587.50	2500.00	18.330	4.240	20.00	.00	.00	.00	.00
A	65	445.00	4585.00	2500.00	10.700	2.030	20.00	.00	.00	.00	.00
A	66	445.00	4582.50	2500.00	.900	.290	20.00	.00	.00	.00	.00
A	67	445.00	4580.50	2500.00	2.950	.560	20.00	.00	.00	.00	.00
A	68	447.50	4600.00	2500.00	.300	.100	20.00	.00	.00	.00	.00
A	69	447.50	4597.50	2500.00	36.200	7.860	20.00	.00	.00	.00	.00
A	70	447.50	4595.00	2500.00	49.130	9.780	20.00	.00	.00	.00	.00
A	71	447.50	4592.50	2500.00	26.300	5.840	20.00	.00	.00	.00	.00
A	72	447.50	4587.50	5000.00	12.550	2.670	20.00	.00	.00	.00	.00
A	73	447.50	4585.00	2500.00	73.470	13.360	20.00	.00	.00	.00	.00
A	74	447.50	4582.50	2500.00	6.570	1.180	20.00	.00	.00	.00	.00
A	75	447.50	4580.00	2500.00	1.010	.270	20.00	.00	.00	.00	.00
A	76	445.00	4575.00	5000.00	6.590	1.230	20.00	.00	.00	.00	.00
A	77	445.00	4570.00	5000.00	8.290	1.470	20.00	.00	.00	.00	.00
A	78	450.00	4602.50	2500.00	1.810	.410	20.00	.00	.00	.00	.00
A	79	450.00	4600.00	2500.00	17.710	3.470	20.00	.00	.00	.00	.00
A	80	450.00	4597.50	2500.00	38.670	8.190	20.00	.00	.00	.00	.00
A	81	450.00	4595.00	2500.00	18.150	4.500	20.00	.00	.00	.00	.00
A	82	450.00	4592.50	2500.00	21.230	4.000	20.00	.00	.00	.00	.00
A	83	450.00	4585.00	2500.00	65.500	13.780	20.00	.00	.00	.00	.00
A	84	450.00	4582.50	2500.00	23.190	4.090	20.00	.00	.00	.00	.00
A	85	450.00	4580.00	2500.00	4.290	.770	20.00	.00	.00	.00	.00
A	86	452.50	4605.00	2500.00	1.630	.330	20.00	.00	.00	.00	.00
A	87	452.50	4602.50	2500.00	14.630	2.890	20.00	.00	.00	.00	.00
A	88	452.50	4600.00	2500.00	20.230	4.050	20.00	.00	.00	.00	.00
A	89	452.50	4597.50	2500.00	26.380	5.020	20.00	.00	.00	.00	.00
A	90	452.50	4595.00	2500.00	18.330	3.320	20.00	.00	.00	.00	.00
A	91	452.50	4592.50	2500.00	24.510	4.450	20.00	.00	.00	.00	.00
A	92	452.50	4590.00	2500.00	2.440	.460	20.00	.00	.00	.00	.00
A	93	452.50	4587.50	2500.00	.300	.100	20.00	.00	.00	.00	.00
A	94	452.50	4585.00	2500.00	43.770	9.570	20.00	.00	.00	.00	.00
A	95	452.50	4582.50	2500.00	17.410	3.160	20.00	.00	.00	.00	.00
A	96	452.50	4580.00	2500.00	1.980	.930	20.00	.00	.00	.00	.00
A	97	452.50	4577.50	2500.00	2.200	.450	20.00	.00	.00	.00	.00
A	98	455.00	4605.00	2500.00	25.690	4.790	20.00	.00	.00	.00	.00
A	99	455.00	4602.50	2500.00	12.090	2.230	20.00	.00	.00	.00	.00
A	100	455.00	4600.00	2500.00	8.160	1.550	20.00	.00	.00	.00	.00
A	101	455.00	4597.50	2500.00	11.240	2.010	20.00	.00	.00	.00	.00
A	102	455.00	4595.00	2500.00	18.980	3.420	20.00	.00	.00	.00	.00

COMI VERSION 76130, RUN 15

SOURCE	INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	103	455.00	4592.50	2500.00	18.220	3.190	20.00	.00	.00	.00	.00
A	104	455.00	4590.00	2500.00	3.730	.670	20.00	.00	.00	.00	.00
A	105	455.00	4587.50	2500.00	9.730	5.050	20.00	.00	.00	.00	.00
A	106	455.00	4585.00	2500.00	23.110	4.760	20.00	.00	.00	.00	.00
A	107	455.00	4582.50	2500.00	8.230	1.470	20.00	.00	.00	.00	.00
A	108	455.00	4580.00	2500.00	12.570	2.320	20.00	.00	.00	.00	.00
A	109	455.00	4577.50	2500.00	1.510	.390	20.00	.00	.00	.00	.00
A	110	457.50	4607.50	2500.00	4.670	.910	20.00	.00	.00	.00	.00
A	111	457.50	4605.00	2500.00	10.680	1.970	20.00	.00	.00	.00	.00
A	112	457.50	4602.50	2500.00	9.000	1.750	20.00	.00	.00	.00	.00
A	113	457.50	4600.00	2500.00	7.100	4.150	20.00	.00	.00	.00	.00
A	114	457.50	4597.50	2500.00	8.030	1.420	20.00	.00	.00	.00	.00
A	115	457.50	4595.00	2500.00	11.260	2.020	20.00	.00	.00	.00	.00
A	116	457.50	4592.50	2500.00	3.910	.720	20.00	.00	.00	.00	.00
A	117	457.50	4590.00	2500.00	1.600	.320	20.00	.00	.00	.00	.00
A	118	457.50	4587.50	2500.00	1.260	.310	20.00	.00	.00	.00	.00
A	119	457.50	4585.00	2500.00	6.570	1.300	20.00	.00	.00	.00	.00
A	120	457.50	4582.50	2500.00	3.190	.720	20.00	.00	.00	.00	.00
A	121	457.50	4580.00	2500.00	4.260	.810	20.00	.00	.00	.00	.00
A	122	457.50	4577.50	2500.00	1.510	.320	20.00	.00	.00	.00	.00
A	123	460.00	4595.00	5000.00	27.790	5.130	20.00	.00	.00	.00	.00
A	124	460.00	4590.00	5000.00	10.360	1.910	20.00	.00	.00	.00	.00
A	125	460.00	4585.00	5000.00	6.560	1.200	20.00	.00	.00	.00	.00
A	126	460.00	4580.00	5000.00	10.030	1.910	20.00	.00	.00	.00	.00
A	127	460.00	4575.00	5000.00	2.680	.600	20.00	.00	.00	.00	.00
A	128	465.00	4595.00	5000.00	2.890	.620	20.00	.00	.00	.00	.00
A	129	465.00	4590.00	5000.00	1.770	.620	20.00	.00	.00	.00	.00
A	130	465.00	4585.00	5000.00	5.170	1.050	20.00	.00	.00	.00	.00
A	131	465.00	4580.00	5000.00	2.570	1.200	20.00	.00	.00	.00	.00
A	132	465.00	4575.00	5000.00	1.780	.750	20.00	.00	.00	.00	.00
A	133	385.00	4585.00	5000.00	.090	.040	20.00	.00	.00	.00	.00
A	134	385.00	4580.00	5000.00	4.490	1.440	20.00	.00	.00	.00	.00
A	135	385.00	4565.00	5000.00	2.300	.940	20.00	.00	.00	.00	.00
A	136	385.00	4550.00	5000.00	.150	.040	20.00	.00	.00	.00	.00
A	137	390.00	4585.00	5000.00	1.450	.630	20.00	.00	.00	.00	.00
A	138	390.00	4580.00	5000.00	1.750	.820	20.00	.00	.00	.00	.00
A	139	390.00	4575.00	5000.00	13.550	4.790	20.00	.00	.00	.00	.00
A	140	390.00	4570.00	5000.00	1.010	.420	20.00	.00	.00	.00	.00
A	141	390.00	4565.00	5000.00	.900	.360	20.00	.00	.00	.00	.00
A	142	390.00	4560.00	5000.00	.150	.040	20.00	.00	.00	.00	.00
A	143	390.00	4555.00	5000.00	.740	.300	20.00	.00	.00	.00	.00
A	144	390.00	4550.00	5000.00	.830	.350	20.00	.00	.00	.00	.00
A	145	395.00	4585.00	5000.00	4.610	2.260	20.00	.00	.00	.00	.00
A	146	395.00	4580.00	5000.00	3.980	1.890	20.00	.00	.00	.00	.00
A	147	395.00	4575.00	5000.00	2.800	1.350	20.00	.00	.00	.00	.00
A	148	395.00	4570.00	5000.00	3.340	1.780	20.00	.00	.00	.00	.00
A	149	395.00	4565.00	5000.00	.660	.320	20.00	.00	.00	.00	.00
A	150	395.00	4560.00	5000.00	.140	.040	20.00	.00	.00	.00	.00
A	151	395.00	4555.00	5000.00	2.510	1.160	20.00	.00	.00	.00	.00
A	152	395.00	4545.00	5000.00	.480	.290	20.00	.00	.00	.00	.00
A	153	400.00	4590.00	5000.00	7.800	4.060	20.00	.00	.00	.00	.00

COMI VERSION 7@130. RUN 15

SOURCE	INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(OC)	SA(M**2/SEC)
A	154	400.00	4585.00	5000.00	17.350	8.360	20.00	.00	.00	.00	.00
A	155	400.00	4580.00	5000.00	1.600	.830	20.00	.00	.00	.00	.00
A	156	400.00	4575.00	5000.00	.780	.500	20.00	.00	.00	.00	.00
A	157	400.00	4570.00	5000.00	.140	.040	20.00	.00	.00	.00	.00
A	158	400.00	4565.00	5000.00	.120	.040	20.00	.00	.00	.00	.00
A	159	400.00	4560.00	5000.00	.150	.040	20.00	.00	.00	.00	.00
A	160	405.00	4590.00	5000.00	3.630	2.050	20.00	.00	.00	.00	.00
A	161	405.00	4585.00	5000.00	6.280	3.250	20.00	.00	.00	.00	.00
A	162	405.00	4580.00	5000.00	8.430	6.140	20.00	.00	.00	.00	.00
A	163	405.00	4575.00	5000.00	6.940	5.030	20.00	.00	.00	.00	.00
A	164	405.00	4570.00	5000.00	.770	.540	20.00	.00	.00	.00	.00
A	165	405.00	4565.00	5000.00	.090	.040	20.00	.00	.00	.00	.00
A	166	405.00	4560.00	5000.00	.840	.600	20.00	.00	.00	.00	.00
A	167	405.00	4555.00	5000.00	.490	.300	20.00	.00	.00	.00	.00
A	168	410.00	4595.00	5000.00	.790	.390	20.00	.00	.00	.00	.00
A	169	410.00	4590.00	5000.00	3.100	1.520	20.00	.00	.00	.00	.00
A	170	410.00	4585.00	5000.00	1.190	.870	20.00	.00	.00	.00	.00
A	171	410.00	4580.00	5000.00	2.930	1.600	20.00	.00	.00	.00	.00
A	172	410.00	4575.00	5000.00	.790	.430	20.00	.00	.00	.00	.00
A	173	410.00	4570.00	5000.00	.590	.340	20.00	.00	.00	.00	.00
A	174	410.00	4565.00	5000.00	.690	.420	20.00	.00	.00	.00	.00
A	175	410.00	4560.00	5000.00	.650	.370	20.00	.00	.00	.00	.00
A	176	415.00	4595.00	5000.00	.710	.300	20.00	.00	.00	.00	.00
A	177	415.00	4590.00	5000.00	2.410	1.160	20.00	.00	.00	.00	.00
A	178	415.00	4585.00	5000.00	1.090	.530	20.00	.00	.00	.00	.00
A	179	415.00	4580.00	5000.00	3.700	1.780	20.00	.00	.00	.00	.00
A	180	415.00	4575.00	5000.00	1.150	.560	20.00	.00	.00	.00	.00
A	181	415.00	4570.00	5000.00	.940	.670	20.00	.00	.00	.00	.00
A	182	420.00	4575.00	5000.00	.760	.350	20.00	.00	.00	.00	.00
A	183	420.00	4570.00	5000.00	.880	.540	20.00	.00	.00	.00	.00
A	184	460.00	4605.00	2500.00	23.320	3.530	20.00	.00	.00	.00	.00
A	185	460.00	4607.50	2500.00	7.060	3.460	20.00	.00	.00	.00	.00
A	186	460.00	4610.00	2500.00	6.530	1.770	20.00	.00	.00	.00	.00
A	187	462.50	4612.50	2500.00	2.630	.720	10.00	.00	.00	.00	.00
A	188	462.50	4610.00	2500.00	3.000	1.680	15.00	.00	.00	.00	.00
A	189	462.50	4607.50	2500.00	2.200	1.780	15.00	.00	.00	.00	.00
A	190	462.50	4605.00	2500.00	.720	.710	15.00	.00	.00	.00	.00
A	191	460.00	4600.00	5000.00	4.210	1.540	15.00	.00	.00	.00	.00
A	192	465.00	4615.00	2500.00	3.530	.990	15.00	.00	.00	.00	.00
A	193	467.50	4617.50	2500.00	3.250	.900	15.00	.00	.00	.00	.00
A	194	467.50	4615.00	2500.00	4.880	1.500	15.00	.00	.00	.00	.00
A	195	465.00	4610.00	5000.00	12.500	3.460	15.00	.00	.00	.00	.00
A	196	465.00	4605.00	5000.00	4.800	2.040	15.00	.00	.00	.00	.00
A	197	465.00	4600.00	5000.00	3.150	1.410	15.00	.00	.00	.00	.00
A	198	470.00	4620.00	2500.00	2.050	.000	15.00	.00	.00	.00	.00
A	199	472.50	4620.00	2500.00	2.290	1.250	15.00	.00	.00	.00	.00
A	200	470.00	4615.00	5000.00	9.520	2.520	15.00	.00	.00	.00	.00
A	201	470.00	4610.00	5000.00	5.130	2.890	15.00	.00	.00	.00	.00
A	202	470.00	4605.00	5000.00	3.930	1.400	15.00	.00	.00	.00	.00
A	203	470.00	4600.00	5000.00	3.890	1.390	15.00	.00	.00	.00	.00
A	204	475.00	4622.50	2500.00	.190	.010	15.00	.00	.00	.00	.00

CDMI VERSION 7/0130. RUN 15

SOURCE	INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	205	475.00	4620.00	2500.00	6.280	1.220	15.00	.00	.00	.00	.00
A	206	477.50	4622.50	2500.00	1.500	.030	15.00	.00	.00	.00	.00
A	207	477.50	4620.00	2500.00	7.160	1.170	15.00	.00	.00	.00	.00
A	208	475.00	4615.00	5000.00	14.590	3.810	15.00	.00	.00	.00	.00
A	209	475.00	4610.00	5000.00	5.350	2.380	15.00	.00	.00	.00	.00
A	210	480.00	4620.00	5000.00	5.770	1.680	15.00	.00	.00	.00	.00
A	211	480.00	4615.00	5000.00	5.270	1.710	15.00	.00	.00	.00	.00
A	212	480.00	4610.00	5000.00	3.170	1.400	15.00	.00	.00	.00	.00
A	213	485.00	4625.00	5000.00	5.860	2.710	15.00	.00	.00	.00	.00
A	214	485.00	4620.00	5000.00	4.180	1.650	15.00	.00	.00	.00	.00
A	215	485.00	4615.00	5000.00	2.250	1.610	15.00	.00	.00	.00	.00
A	216	485.00	4610.00	5000.00	1.570	.000	15.00	.00	.00	.00	.00
A	217	490.00	4625.00	5000.00	6.470	1.860	15.00	.00	.00	.00	.00
A	218	490.00	4620.00	5000.00	4.600	1.510	15.00	.00	.00	.00	.00
A	219	490.00	4615.00	5000.00	1.730	.000	15.00	.00	.00	.00	.00
A	220	495.00	4630.00	5000.00	4.020	1.410	15.00	.00	.00	.00	.00
A	221	495.00	4625.00	5000.00	6.390	2.730	10.00	.00	.00	.00	.00
A	222	495.00	4620.00	5000.00	5.720	2.360	10.00	.00	.00	.00	.00
A	223	495.00	4615.00	5000.00	1.570	.000	10.00	.00	.00	.00	.00
A	224	442.50	4591.50	1250.00	7.560	.000	20.00	.00	.00	.00	.00
A	225	442.50	4588.75	1250.00	19.690	.000	19.00	.00	.00	.00	.00
A	226	443.75	4591.25	1250.00	10.430	.000	34.00	.00	.00	.00	.00
A	227	443.75	4590.00	1250.00	7.510	.000	18.00	.00	.00	.00	.00
A	228	443.75	4588.75	1250.00	3.210	.000	20.00	.00	.00	.00	.00
A	229	443.75	4587.50	1250.00	1.550	.000	20.00	.00	.00	.00	.00

229 AREA SOURCE(S). 191 POINT SOURCE(S).

@ADD.P RECEPS.

CDMI VERSION 70130. RUN 15
(MICROGRAMS PER CUBIC METER)
CLEVELAND STRATEGY

RECEPTOR ID		COORDINATE X	Y	AREA P1	P2	POINT P1	P2	TOTAL P1	P2	CALIBRATED P1	P2	OBS. MEAN P1	P2
CUYCL13H01	1	443.80	4592.40	4.56	.00	41.93	.00	46.49	.00	50.83	.00	77	0
CUYCL24H01	2	449.10	4591.50	.60	.13	26.37	.00	26.97	.13	34.36	.13	0	0
CUYCL09H01	3	441.40	4588.70	4.57	.97	20.78	.00	25.35	.97	37.95	.97	51	0
CUYCL01H01	4	447.90	4594.70	5.00	1.11	30.83	.00	35.83	1.11	44.83	1.11	57	0
CUYCL05H01	5	446.40	4589.30	3.44	.81	33.53	.00	37.02	.81	43.81	.81	42	0
CUYCL03H01	6	452.10	4600.10	3.37	.66	27.01	.00	30.37	.66	39.63	.66	39	0
CUYCL11H01	7	437.20	4592.00	4.47	.97	15.29	.00	19.76	.97	34.42	.97	49	0
CUYCL10H01	8	439.60	4588.10	1.94	.49	19.22	.00	21.16	.49	32.37	.49	34	0
CUYCL08H01	9	445.10	4591.30	4.23	.93	39.90	.00	44.13	.93	49.01	.93	82	0
CUYCL12H01	10	445.60	4596.80	8.89	1.88	33.13	.00	42.01	1.88	53.08	1.88	69	0
CUYCL33H01	11	443.50	4593.60	3.16	.67	55.24	.00	58.40	.67	56.49	.67	100	0
CUYCL07H01	12	432.00	4589.00	3.18	.59	13.89	.00	17.06	.59	31.29	.59	34	0
CUYCL26H01	13	444.40	4588.20	1.18	.00	56.52	.00	57.70	.00	53.78	.00	84	0
CUYCL06H01	14	452.90	4588.60	.06	.02	15.11	.00	15.17	.02	26.55	.02	0	0
CUYCL27H01	15	441.20	4592.20	4.11	.89	19.46	.00	23.57	.89	36.34	.89	62	0
CUYCL17H01	16	448.50	4596.60	9.34	1.86	29.51	.00	38.84	1.86	51.66	1.86	51	0
CUYCL21H01	17	439.70	4586.60	3.41	.75	17.99	.00	21.41	.75	34.22	.75	42	0
CUYCL29H01	18	442.60	4594.80	3.16	.67	28.60	.00	31.76	.67	40.24	.67	74	0
LAELA02G02	19	463.50	4610.80	.68	.38	16.08	.00	16.76	.38	28.23	.38	43	0
LAPAV02G02	20	479.80	4618.60	.82	.21	15.57	.00	16.39	.21	28.17	.21	73	0
LAPAV03G02	21	483.70	4621.80	.32	.09	13.09	.00	13.42	.09	25.79	.09	31	0
LAMVA04G03	22	496.20	4624.10	.38	.16	5.10	.00	5.48	.16	21.01	.16	39	0
LAWIC01G02	23	460.50	4605.90	4.43	.67	19.76	.00	24.19	.67	37.08	.67	39	0
LAWIL01G01	24	460.20	4608.70	1.34	.66	20.58	.00	21.92	.66	32.15	.66	42	0
LAPAVDSDRR	25	478.70	4621.60	1.61	.26	27.50	.00	29.11	.26	36.84	.26	42	0
LAPAVDS-TS	26	477.60	4621.40	1.61	.26	18.18	.00	19.79	.26	31.16	.26	29	0
LAPAVDSWES	27	477.70	4622.80	.34	.01	17.25	.00	17.59	.01	28.35	.01	43	0
LAPAVDSVPS	29	479.70	4622.00	1.61	.26	23.23	.00	24.84	.26	34.23	.26	37	0
CLE-CBD	30	445.00	4594.00	4.77	1.01	46.84	.00	51.61	1.01	54.19	1.01	0	0
CLE-CBD	31	446.00	4594.00	6.37	1.36	43.90	.00	50.27	1.36	55.22	1.36	0	0
CLE-CBD	32	447.00	4594.00	6.37	1.36	37.92	.00	44.29	1.36	51.57	1.36	0	0
CLE-CBD	34	446.00	4593.00	6.37	1.36	43.32	.00	49.69	1.36	54.87	1.36	0	0
CLE-CBD	35	447.00	4593.00	6.37	1.36	37.51	.00	43.88	1.36	51.32	1.36	0	0
CLE-CBD	36	445.00	4592.00	4.70	.36	42.53	.00	47.22	.36	51.44	.36	0	0
CLE-CBD	37	446.00	4592.00	4.23	.93	42.11	.00	46.34	.93	50.36	.93	0	0
CLE-CBD	41	444.00	4589.00	2.44	.00	42.72	.00	45.16	.00	47.58	.00	0	0
CLE-CBD	42	444.00	4590.00	4.22	.00	37.33	.00	41.54	.00	47.42	.00	0	0
CLE-CBD	43	444.00	4591.00	6.11	.00	37.75	.00	43.86	.00	51.02	.00	0	0
CLE-CBD	44	445.00	4590.00	4.03	.44	41.00	.00	45.03	.44	49.34	.44	0	0
CLE-CBD	45	445.00	4591.00	5.14	.48	39.61	.00	44.75	.48	50.44	.48	0	0
CLE-CBD	47	445.00	4589.00	2.96	.40	48.76	.00	51.72	.40	52.18	.40	0	0
CLE-CBD	48	446.00	4588.00	3.48	.81	30.52	.00	34.01	.81	41.98	.81	0	0
CLE-CBD	49	443.00	4588.00	1.15	.97	28.58	.00	29.73	.97	36.69	.97	0	0
CLE-CBD	50	443.00	4589.00	15.49	.00	34.91	.00	50.41	.00	65.79	.00	0	0
CLE-CBD	51	445.00	4593.00	4.77	1.01	45.55	.00	50.32	1.01	53.41	1.01	0	0

CDMI VERSION 79130, RUN 15
(MICROGRAMS PER CUBIC METER)
CLEVELAND STRATEGY

RECEPTOR		COORDINATE		AREA		POINT		TOTAL		CALIBRATED		OBS. MEAN	
ID		X	Y	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2
CLE-CBD	53	445.50	4595.50	8.89	1.88	42.26	.00	51.14	1.88	58.65	1.88	0	0
CLE-CBD	54	445.50	4595.00	7.63	1.62	42.61	.00	50.24	1.62	56.65	1.62	0	0
CLE-CBD	55	445.50	4594.50	6.37	1.36	44.06	.00	50.43	1.36	55.32	1.36	0	0
CLE-CBD	56	445.50	4594.00	6.37	1.36	42.99	.00	49.36	1.36	54.66	1.36	0	0
CLE-CBD	57	445.50	4593.50	6.37	1.36	45.98	.00	52.35	1.36	56.49	1.36	0	0
CLE-CBD	58	445.50	4593.00	6.37	1.36	46.00	.00	52.36	1.36	56.50	1.36	0	0
CLE-CBD	59	445.00	4594.50	4.77	1.01	46.87	.00	51.64	1.01	54.21	1.01	0	0
CLE-CBD	60	445.00	4593.50	4.77	1.01	46.14	.00	50.91	1.01	53.77	1.01	0	0
CLE-CBD	61	444.50	4589.90	2.44	.00	49.59	.00	52.03	.00	51.78	.00	0	0
CLE-CBD	62	444.50	4589.00	2.44	.00	60.72	.00	63.15	.00	58.56	.00	0	0
CLE-CBD	63	444.50	4588.50	1.18	.00	67.09	.00	68.27	.00	60.23	.00	0	0
CLE-CBD	64	445.00	4589.50	2.96	.40	44.20	.00	47.16	.40	49.40	.40	0	0
CLE-CBD	65	445.00	4588.50	2.33	.40	54.15	.00	56.48	.40	54.36	.40	0	0
CLE-CBD	66	445.50	4589.50	3.48	.81	39.85	.00	43.34	.81	47.67	.81	0	0
CLE-CBD	68	445.50	4589.00	3.48	.81	41.89	.00	45.37	.81	48.91	.81	0	0
CLE-CBD	69	446.00	4595.50	8.89	1.88	39.98	.00	48.87	1.88	57.26	1.88	0	0
CLE-CBD	70	446.00	4594.50	6.37	1.36	42.18	.00	48.55	1.36	54.17	1.36	0	0
CLE-CBD	71	446.00	4593.50	6.37	1.36	44.70	.00	51.07	1.36	55.71	1.36	0	0
CLE-CBD	72	446.50	4595.50	8.89	1.88	38.66	.00	47.55	1.88	56.46	1.88	0	0
CLE-CBD	73	446.50	4595.00	7.63	1.62	39.74	.00	47.36	1.62	54.89	1.62	0	0
CLE-CBD	74	446.50	4594.50	6.37	1.36	39.72	.00	46.08	1.36	52.67	1.36	0	0
CLE-CBD	75	446.50	4594.00	6.37	1.36	39.40	.00	45.77	1.36	52.47	1.36	0	0
CLE-CBD	76	446.50	4593.50	6.37	1.36	40.40	.00	46.77	1.36	53.09	1.36	0	0
CLE-CBD	77	446.50	4593.00	6.37	1.36	39.25	.00	45.62	1.36	52.39	1.36	0	0
CLE-CBD	78	447.00	4595.50	8.89	1.88	33.53	.00	42.42	1.88	53.33	1.88	0	0
CLE-CBD	79	447.00	4594.50	6.37	1.36	37.30	.00	43.67	1.36	51.20	1.36	0	0
CLE-CBD	80	447.00	4593.50	6.37	1.36	38.04	.00	44.41	1.36	51.65	1.36	0	0
GMC-LOR	90	405.30	4580.80	.40	.29	30.53	.00	30.94	.29	36.56	.29	0	0
GMC-LOR	91	404.90	4580.70	.08	.04	17.40	.00	17.48	.04	27.98	.04	0	0
GMC-LOR	92	404.60	4580.50	.08	.04	13.71	.00	13.79	.04	25.73	.04	0	0
GMC-LOR	93	404.40	4580.20	.08	.04	12.08	.00	12.16	.04	24.73	.04	0	0
GMC-LOR	94	404.30	4579.80	.04	.02	11.36	.00	11.40	.02	24.23	.02	0	0
GMC-LOR	95	404.40	4579.40	.04	.02	10.60	.00	10.63	.02	23.76	.02	0	0
GMC-LOR	96	404.60	4579.10	.04	.02	12.77	.00	12.80	.02	25.08	.02	0	0
GMC-LOR	97	404.90	4578.90	.04	.02	14.55	.00	14.59	.02	26.17	.02	0	0
GMC-LOR	99	405.30	4578.80	.33	.24	19.89	.00	20.22	.24	29.94	.24	0	0
GMC-LOR	100	405.70	4578.90	.33	.24	13.84	.00	14.17	.24	26.25	.24	0	0
GMC-LOR	101	406.00	4579.10	.33	.24	14.22	.00	14.55	.24	26.49	.24	0	0
GMC-LOR	105	406.20	4579.40	.33	.24	14.74	.00	15.07	.24	26.80	.24	0	0
AVON LAKE	106	411.40	4593.40	.15	.07	13.32	.00	13.46	.07	25.61	.07	0	0
AVON LAKE	107	412.20	4590.00	.10	.06	16.76	.00	16.86	.06	27.63	.06	0	0
AVON LAKE	108	407.20	4586.80	.30	.15	15.22	.00	15.52	.15	27.04	.15	0	0
AVONLAKE	109	412.20	4580.20	.14	.08	9.31	.00	9.44	.08	23.15	.08	0	0
AVON LAKE	110	412.20	4592.00	.15	.07	19.07	.00	19.22	.07	29.12	.07	0	0
AVON LAKE	111	412.20	4578.00	.04	.02	8.41	.00	8.45	.02	22.43	.02	0	0

CDMI VERSION 7D130, RUN 15
(MICROGRAMS PER CUBIC METER)
CLEVELAND STRATEGY

RECEPTOR	ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
AVON LAKE	112	418.00	4586.80	.85	.03	8.28	.00	8.33	.03	22.37	.03	0	0
LOR-WST	113	405.00	4581.00	.24	.17	16.34	.00	16.58	.17	27.62	.17	0	0
LOR-WST	114	405.00	4581.50	.24	.17	22.68	.00	22.91	.17	31.48	.17	0	0
REP. STEEL	115	443.60	4591.30	5.75	.00	38.67	.00	44.41	.00	50.93	.00	0	0
REP. STEEL	116	443.50	4590.80	1.82	2.02	34.48	.00	36.30	2.02	41.47	2.02	0	0
REP. STEEL	117	443.60	4590.30	1.82	2.02	36.74	.00	38.56	2.02	42.85	2.02	0	0
REP. STEEL	118	443.90	4590.00	4.22	.00	37.00	.00	41.21	.00	47.22	.00	0	0
REP. STEEL	119	444.20	4589.70	2.44	.00	48.32	.00	50.76	.00	51.00	.00	0	0
REP. STEEL	122	444.70	4589.60	2.44	.00	51.80	.00	54.24	.00	53.12	.00	0	0
REP. STEEL	123	445.60	4590.00	3.86	.87	39.01	.00	42.86	.87	47.81	.87	0	0
REP. STEEL	124	445.60	4591.70	4.23	.93	40.37	.00	44.60	.93	49.30	.93	0	0
REP. STEEL	125	443.80	4593.10	3.16	.67	44.83	.00	48.00	.67	50.15	.67	0	0
REP. STEEL	126	443.20	4593.00	3.16	.67	34.30	.00	37.47	.67	43.72	.67	0	0
REP. STEEL	128	442.30	4592.10	4.11	.89	25.15	.00	29.26	.89	39.80	.89	0	0
REP. STEEL	129	442.10	4591.40	4.11	.89	21.82	.00	25.93	.89	37.77	.89	0	0
REP. STEEL	130	442.20	4590.80	4.11	.89	21.92	.00	26.03	.89	37.84	.89	0	0
REP. STEEL	131	442.60	4590.20	1.82	2.02	26.61	.00	28.44	2.02	36.67	2.02	0	0
REP STEEL	132	443.20	4589.80	15.49	.00	33.52	.00	49.01	.00	64.94	.00	0	0
REP. STEEL	133	443.80	4589.70	2.44	.00	40.69	.00	43.12	.00	46.34	.00	0	0
REP. STEEL	134	445.00	4590.20	5.14	.48	40.60	.00	45.74	.48	51.05	.48	0	0
REP. STEEL	135	445.00	4592.60	4.77	1.01	44.93	.00	49.70	1.01	53.03*	1.01	0	0
REP. STEEL	136	443.60	4592.50	4.45	.33	45.32	.00	49.78	.33	52.72	.33	0	0
REP. STEEL	137	442.30	4592.20	4.11	.89	24.40	.00	28.51	.89	39.35	.89	0	0
REP. STEEL	138	441.10	4591.50	4.11	.89	19.28	.00	23.39	.89	36.23	.89	0	0
REP. STEEL	139	440.40	4590.30	4.11	.89	18.39	.00	22.50	.89	35.68	.89	0	0
REP. STEEL	140	440.10	4589.00	4.57	.97	18.31	.00	22.88	.97	36.44	.97	0	0
REP. STEEL	141	440.40	4587.70	4.57	.97	19.01	.00	23.58	.97	36.87	.97	0	0
REP. STEEL	142	441.10	4586.50	4.31	.92	19.11	.00	23.42	.92	36.47	.92	0	0
REP. STEEL	143	442.30	4585.80	4.31	.92	20.56	.00	24.86	.92	37.35	.92	0	0
REP. STEEL	144	443.60	4585.50	1.04	.21	26.21	.00	27.24	.21	35.04	.21	0	0
CLE-CBD	145	444.00	4594.00	3.16	.67	52.22	.00	55.38	.67	54.65	.67	0	0
REP. STEEL	146	446.10	4586.50	2.03	.39	27.07	.00	29.10	.39	37.32	.39	0	0
REP. STEEL	147	446.10	4591.50	4.23	.93	39.34	.00	43.57	.93	48.67	.93	0	0
REP. STEEL	148	444.70	4592.00	4.56	.00	43.02	.00	47.58	.00	51.50	.00	0	0
REP. STEEL	151	444.20	4591.90	4.56	.00	38.68	.00	43.24	.00	48.85	.00	0	0
ALLIED	152	446.00	4585.00	1.10	.22	21.35	.00	22.45	.22	32.19	.22	0	0
ALLIED	153	446.00	4586.00	2.03	.39	25.20	.00	27.24	.39	36.18	.39	0	0
REP. STEEL	154	443.90	4591.70	4.56	.00	37.77	.00	42.33	.00	48.30	.00	0	0
ALLIED	157	447.00	4584.00	.17	.06	22.24	.00	22.41	.06	31.09	.06	0	0
ALLIED	158	447.00	4586.00	2.03	.39	39.04	.00	41.08	.39	44.63	.39	0	0
CLE-ECBD	159	447.00	4588.00	3.48	.81	29.19	.00	32.67	.81	41.16	.81	0	0
CLE-ECBD	160	447.00	4590.00	3.86	.87	32.41	.00	36.26	.87	43.78	.87	0	0
CLE-ECBD	161	447.00	4596.00	8.89	1.88	32.24	.00	41.13	1.88	52.54	1.88	0	0
CLE-ECBD	162	447.00	4598.00	.45	.10	27.48	.00	27.93	.10	34.78	.10	0	0
CLE-ECBD	164	448.00	4583.00	1.25	.22	21.19	.00	22.44	.22	32.35	.22	0	0

COMI VERSION 70130. RUN 15
(MICROGRAMS PER CUBIC METER)
CLEVELAND STRATEGY

RECEPTOR		COORDINATE		AREA		POINT		TOTAL		CALIBRATED		OBS. MEAN	
ID		X	Y	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2
ALLIED	165	448.00	4585.00	7.60	1.38	21.64	.00	29.25	1.38	43.82	1.38	0	0
CEI-E.LAKE	166	460.70	4613.90	.60	.00	12.84	.00	12.84	.00	25.06	.00	0	0
CEI-E.LAKE	167	460.70	4612.00	1.24	.34	13.66	.00	14.90	.34	27.74	.34	0	0
CEI-E.LAKE	168	462.00	4610.60	1.24	.34	16.58	.00	17.82	.34	29.53	.34	0	0
CEI-E.LAKE	169	463.00	4610.40	.68	.38	20.66	.00	21.33	.38	31.02	.38	0	0
CEI-E.LAKE	172	463.00	4616.90	.00	.00	19.17	.00	19.17	.00	28.93	.00	0	0
CEI-E.LAKE	173	460.20	4615.70	.00	.00	12.93	.00	12.93	.00	25.12	.00	0	0
CEI-E.LAKE	174	459.00	4612.90	.00	.00	14.57	.00	14.57	.00	26.12	.00	0	0
CEI-E.LAKE	175	460.20	4610.10	1.24	.34	17.03	.00	18.27	.34	29.80	.34	0	0
CEI-E.LAKE	176	463.00	4608.90	.50	.40	19.82	.00	20.32	.40	30.19	.40	0	0
MED CTR	177	449.00	4594.00	5.00	1.11	27.43	.00	32.43	1.11	42.76	1.11	0	0
MED CTR	178	449.00	4596.00	9.34	1.86	28.23	.00	37.56	1.86	50.88	1.86	0	0
CLE-ECHO	179	449.00	4598.00	6.88	1.49	32.79	.00	39.67	1.49	49.34	1.49	0	0
LAKE SHORE	180	446.40	4601.10	.00	.00	35.48	.00	35.48	.00	38.87	.00	0	0
LAKE SHORE	181	445.30	4600.90	.00	.00	35.27	.00	35.27	.00	38.74	.00	0	0
LAKE SHORE	182	443.80	4599.40	.00	.00	28.36	.00	28.36	.00	34.53	.00	0	0
LAKE SHORE	183	443.80	4597.20	1.07	.76	34.08	.00	35.15	.76	39.91	.76	0	0
LAKE SHORE	184	445.30	4595.70	8.89	1.88	42.92	.00	51.81	1.88	59.05	1.88	0	0
LAKE SHORE	185	446.40	4595.50	8.89	1.88	38.86	.00	47.75	1.88	56.58	1.88	0	0
LAKE SHORE	186	446.40	4600.20	.00	.00	33.31	.00	33.31	.00	37.55	.00	0	0
LAKE SHORE	187	445.10	4599.60	.45	.10	33.16	.00	33.61	.10	38.25	.10	0	0
LAKE SHORE	188	444.50	4598.30	.00	.00	29.65	.00	29.65	.00	35.32	.00	0	0
LAKE SHORE	189	445.10	4597.00	8.89	1.88	30.88	.00	39.77	1.88	51.71	1.88	0	0
P.VILLE	190	450.00	4600.00	4.41	.93	30.76	.00	35.17	.93	43.76	.93	0	0
LAKE SHORE	192	446.40	4596.40	8.89	1.88	36.52	.00	45.41	1.88	55.15	1.88	0	0
EDGEWATER	195	398.60	4591.30	.00	.00	6.95	.00	6.95	.00	21.47	.00	0	0
EDGEWATER	196	399.20	4589.90	.22	.11	7.04	.00	7.26	.11	21.91	.11	0	0
EDGEWATER	197	400.60	4589.30	.82	.40	12.66	.00	13.49	.40	26.40	.40	0	0
P.VILLE	198	484.00	4623.00	.32	.09	14.34	.00	14.67	.09	26.55	.09	0	0
PAINV.MUN.	199	478.40	4619.70	.82	.21	16.68	.00	17.50	.21	28.85	.21	0	0
PAINV.MUN.	200	478.30	4619.20	.82	.21	16.93	.00	17.75	.21	29.00	.21	0	0
PAINV.MUN.	201	478.40	4618.70	.82	.21	16.26	.00	17.08	.21	28.59	.21	0	0
PAINV.MUN.	202	478.90	4618.60	.82	.21	19.05	.00	19.88	.21	30.30	.21	0	0
UNIROYAL	203	480.40	4624.30	.32	.09	20.17	.00	20.49	.09	30.10	.09	0	0
UNIROYAL	204	479.90	4624.10	.34	.01	17.81	.00	18.15	.01	28.69	.01	0	0
UNIROYAL	205	479.70	4623.60	.34	.01	21.25	.00	21.59	.01	30.79	.01	0	0
UNIROYAL	206	479.90	4623.10	.34	.01	19.49	.00	19.83	.01	29.71	.01	0	0
UNIROYAL	207	480.40	4622.90	.32	.09	23.11	.00	23.44	.09	31.90	.09	0	0
OHIO RUBB.	208	465.40	4611.00	.70	.19	25.98	.00	26.68	.19	34.31	.19	0	0
OHIO RUBB.	209	464.80	4610.80	.68	.38	15.69	.00	16.36	.38	27.99	.38	0	0
OHIO RUBB.	210	464.60	4610.20	.68	.38	15.38	.00	16.05	.38	27.80	.38	0	0
OHIO RUBB.	211	464.80	4609.60	.50	.40	16.76	.00	17.26	.40	28.33	.40	0	0
OHIO RUBB.	212	465.40	4609.40	.27	.11	21.11	.00	21.38	.11	30.58	.11	0	0
ALCOA	213	444.00	4589.20	2.44	.00	42.30	.00	44.74	.00	47.33	.00	0	0
ALCOA	214	443.40	4588.90	15.49	.00	37.34	.00	52.83	.00	67.27	.00	0	0

CDMI VERSION 70130. RUN 15
(MICROGRAMS PER CUBIC METER)
CLEVELAND STRATEGY

RECEPTOR	ID	COORDINATE X	Y	AREA P1	P2	POINT P1	P2	TOTAL P1	P2	CALIBRATED P1	P2	OBS. MEAN P1	P2
ALCOA	215	443.20	4588.30	1.15	.97	32.38	.00	33.53	.97	39.00	.97	0	0
ALCOA	216	443.40	4587.70	1.15	.97	31.18	.00	32.32	.97	38.27	.97	0	0
ALCOA	217	444.00	4587.50	1.11	.10	38.66	.00	39.77	.10	42.76	.10	0	0
MI V MOS	242	458.00	4590.00	.27	.06	12.08	.00	12.35	.06	25.08	.06	0	0
MI V MOS	243	457.00	4589.00	1.85	.96	11.77	.00	13.62	.96	27.67	.96	0	0
MI V MOS	244	459.00	4589.00	.24	.06	11.79	.00	12.03	.06	24.84	.06	0	0
MI V MOS	245	458.00	4588.00	.24	.06	11.30	.00	11.54	.06	24.55	.06	0	0
MAP HTS	246	454.00	4585.00	5.81	1.21	11.77	.00	17.59	1.21	34.64	1.21	0	0
BROOKLYN HT	247	459.00	4583.00	.61	.14	10.09	.00	10.70	.14	24.45	.14	0	0
FORD W H	248	456.00	4579.00	.29	.07	15.13	.00	15.41	.07	26.96	.07	0	0
FORD W H	249	457.00	4579.00	.29	.07	12.29	.00	12.57	.07	25.23	.07	0	0
FORD W H	252	456.00	4577.00	.00	.00	12.89	.00	12.89	.00	25.09	.00	0	0
FORD W H	253	457.00	4577.00	.00	.00	9.43	.00	9.43	.00	22.98	.00	0	0
ALLIED	254	448.00	4586.00	13.96	2.54	23.60	.00	37.56	2.54	56.20	2.54	0	0
ALLIED	255	448.00	4584.00	1.25	.22	21.13	.00	22.38	.22	32.32	.22	0	0
HYD PR	256	448.00	4582.00	.19	.05	25.67	.00	25.86	.05	33.23	.05	0	0
HYD PR	257	447.00	4581.00	.56	.11	16.30	.00	16.86	.11	28.16	.11	0	0
HYD PR	258	449.00	4581.00	.19	.05	15.37	.00	15.56	.05	26.94	.05	0	0
HYD PR	259	446.00	4580.00	.44	.08	15.14	.00	15.57	.08	27.23	.08	0	0
HYD PR	260	448.00	4580.00	.25	.05	16.10	.00	16.35	.05	27.49	.05	0	0
HYD PR	261	449.00	4580.00	.25	.05	13.64	.00	13.89	.05	25.99	.05	0	0
S HY PR	262	449.00	4576.00	.31	.06	9.83	.00	10.14	.06	23.78	.06	0	0
PARMA H	263	438.00	4581.00	1.98	.35	12.19	.00	14.17	.35	28.15	.35	0	0
FORD LOR	265	394.00	4587.00	.07	.03	42.41	.00	42.47	.03	43.22	.03	0	0
FORD LOR	266	395.00	4587.00	.14	.07	16.58	.00	16.73	.07	27.60	.07	0	0
FORD LOR	267	393.00	4586.00	.07	.03	6.52	.00	6.59	.03	21.33	.03	0	0
FORD LOR	268	394.00	4586.00	.07	.03	27.72	.00	27.78	.03	34.26	.03	0	0
FORD LOR	269	395.00	4586.00	.14	.07	12.06	.00	12.21	.07	24.84	.07	0	0
FORD LOR	270	392.00	4586.00	.07	.03	4.55	.00	4.62	.03	20.12	.03	0	0
FORD LOR	271	394.00	4585.00	.08	.03	14.20	.00	14.27	.03	26.02	.03	0	0
AMHERST	272	397.00	4584.00	.19	.09	8.24	.00	8.43	.09	22.59	.09	0	0
C LOR	273	388.00	4582.00	.00	.00	3.34	.00	3.34	.00	19.27	.00	0	0
C LOR	274	393.00	4582.00	.08	.04	5.73	.00	5.81	.04	20.87	.04	0	0
C LOR	275	397.00	4577.00	.14	.06	5.13	.00	5.27	.06	20.60	.06	0	0
FISH LOR	276	404.00	4581.00	.08	.04	12.18	.00	12.25	.04	24.79	.04	0	0
FISH LOR	277	404.00	4580.00	.06	.03	10.84	.00	10.90	.03	23.94	.03	0	0
SE LOR	278	405.00	4576.00	.18	.13	9.08	.00	9.26	.13	23.09	.13	0	0
SE LOR	279	412.00	4576.00	.04	.02	7.53	.00	7.57	.02	21.89	.02	0	0
E LOR	280	413.00	4588.00	.06	.04	14.77	.00	14.83	.04	26.34	.04	0	0
E LOR	281	419.00	4587.00	.05	.03	8.05	.00	8.10	.03	22.23	.03	0	0
E LOR	282	416.00	4582.00	.18	.08	7.24	.00	7.42	.08	21.96	.08	0	0
E LOR	283	411.00	4594.00	.15	.07	12.53	.00	12.68	.07	25.14	.07	0	0
AVON LK	284	412.00	4594.00	.15	.07	17.67	.00	17.82	.07	28.27	.07	0	0
AVON LK	285	413.00	4594.00	.15	.07	12.37	.00	12.52	.07	25.04	.07	0	0
AVON LK	286	413.00	4595.00	.09	.05	9.85	.00	9.94	.05	23.40	.05	0	0

COMI VERSION 70130. RUN 15
(MICROGRAMS PER CUBIC METER)
CLEVELAND STRATEGY

RECEPTOR	ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
AVON LK	286	414.00	4595.00	.09	.05	11.95	.00	12.04	.05	24.68	.05	0	0
WST CC	288	420.00	4591.00	.46	.10	9.86	.00	10.32	.10	24.06	.10	0	0
SHEFIELD	289	408.00	4593.00	.17	.10	17.46	.00	17.63	.10	28.18	.10	0	0
US STEEL	290	403.00	4592.00	.37	.19	13.77	.00	14.14	.19	26.28	.19	0	0
US STEEL	291	401.00	4591.00	.37	.19	6.31	.00	6.68	.19	21.73	.19	0	0
US STEEL	292	402.00	4591.00	.37	.19	8.24	.00	8.61	.19	22.91	.19	0	0
US STEEL	293	403.00	4591.00	.37	.19	12.17	.00	12.54	.19	25.30	.19	0	0
US STEEL	294	405.00	4591.00	.27	.15	25.73	.00	26.00	.15	33.40	.15	0	0
US STEEL	295	407.00	4591.00	.17	.10	27.54	.00	27.71	.10	34.33	.10	0	0
US STEEL	296	406.00	4590.00	.24	.13	29.37	.00	29.60	.13	35.56	.13	0	0
US STEEL	297	407.00	4590.00	.24	.13	32.39	.00	32.63	.13	37.40	.13	0	0
US STEEL	298	407.00	4589.00	.30	.15	24.18	.00	24.48	.15	32.50	.15	0	0
US STEEL	299	408.00	4589.00	.30	.15	16.77	.00	17.07	.15	27.99	.15	0	0
US STEEL	300	401.00	4590.00	.60	.29	8.52	.00	9.12	.29	23.48	.29	0	0
US STEEL	301	402.00	4590.00	.60	.29	8.86	.00	9.46	.29	23.68	.29	0	0
US STEEL	302	404.00	4590.00	.60	.29	13.94	.00	14.54	.29	26.79	.29	0	0
US STEEL	303	401.00	4589.00	.82	.40	12.77	.00	13.59	.40	26.47	.40	0	0
US STEEL	304	402.00	4589.00	.82	.40	9.72	.00	10.54	.40	24.61	.40	0	0
US STEEL	305	403.00	4589.00	.82	.40	10.83	.00	11.66	.40	25.29	.40	0	0
US STEEL	306	401.00	4588.00	.82	.40	12.07	.00	12.90	.40	26.05	.40	0	0
US STEEL	307	402.00	4588.00	.82	.40	9.85	.00	10.67	.40	24.69	.40	0	0
US STEEL	308	403.00	4588.00	.82	.40	11.43	.00	12.25	.40	25.65	.40	0	0
US STEEL	309	404.00	4588.00	.82	.40	15.83	.00	16.65	.40	28.34	.40	0	0
US STEEL	310	405.00	4588.00	.56	.28	19.83	.00	20.39	.28	30.31	.28	0	0
US STEEL	311	406.00	4588.00	.30	.15	20.98	.00	21.28	.15	30.55	.15	0	0
US STEEL	312	407.00	4588.00	.30	.15	17.57	.00	17.87	.15	28.48	.15	0	0
US STEEL	313	398.00	4587.00	.22	.11	8.10	.00	8.32	.11	22.56	.11	0	0
US STEEL	314	405.00	4587.00	.56	.28	18.06	.00	18.62	.28	29.23	.28	0	0
US STEEL	315	408.00	4587.00	.30	.15	14.80	.00	15.10	.15	26.79	.15	0	0
US STEEL	316	407.00	4586.00	.30	.15	14.53	.00	14.83	.15	26.62	.15	0	0
US STEEL	317	403.00	4586.00	.82	.40	12.20	.00	13.02	.40	26.12	.40	0	0
US STEEL	318	400.00	4590.00	.42	.20	8.44	.00	8.85	.20	23.11	.20	0	0
PAINV.MUN.	319	478.90	4619.90	.82	.21	21.00	.00	21.83	.21	31.49	.21	0	0
WC CC	320	424.00	4586.00	1.09	.19	7.39	.00	8.48	.19	23.66	.19	0	0
LW INC	321	434.00	4591.00	6.29	1.17	12.68	.00	18.97	1.17	36.04	1.17	0	0
LW INC	322	434.50	4590.50	6.29	1.17	16.44	.00	22.73	1.17	38.33	1.17	0	0
CHEV C	323	435.00	4586.00	1.97	.38	18.38	.00	20.35	.38	31.91	.38	0	0
CHEV C	324	436.00	4586.00	1.13	.22	25.76	.00	26.90	.22	34.94	.22	0	0
LN INC	325	435.00	4591.00	5.38	1.07	15.23	.00	20.61	1.07	35.99	1.07	0	0
FORD C	326	430.00	4585.00	1.80	.73	9.18	.00	10.97	.73	25.99	.73	0	0
FORD C	327	431.00	4585.00	2.42	.71	9.79	.00	12.21	.71	27.46	.71	0	0
FORD C	328	432.00	4585.00	2.42	.71	14.02	.00	16.44	.71	30.05	.71	0	0
CHEV C	329	434.00	4585.00	2.78	.51	13.84	.00	16.62	.51	30.56	.51	0	0
CHEV C	330	436.00	4585.00	2.17	.40	22.15	.00	24.32	.40	34.56	.40	0	0
CHEV C	331	436.50	4585.00	2.17	.40	18.66	.00	20.82	.40	32.42	.40	0	0

COMI VERSION 70130. RUN 15
(MICROGRAMS PER CUBIC METER)
CLEVELAND STRATEGY

RECEPTOR	ID	COORDINATE X	Y	AREA P1	P2	POINT P1	P2	TOTAL P1	P2	CALIBRATED P1	P2	OBS. MEAN P1	P2
FORD C	332	430.00	4584.00	1.21	.75	8.29	.00	9.50	.75	24.42	.75	0	0
FORD C	333	432.00	4584.00	1.72	.84	10.84	.00	12.55	.84	26.86	.84	0	0
LW INC	334	434.00	4590.00	5.28	.98	14.39	.00	19.67	.98	35.30	.98	0	0
LW INC	335	435.00	4595.00	2.10	.43	12.62	.00	14.73	.43	28.63	.43	0	0
CAEV C	336	436.00	4584.00	3.20	.58	15.88	.00	19.08	.58	32.55	.58	0	0
FORD C	337	430.00	4583.00	1.21	.75	8.77	.00	9.98	.75	24.71	.75	0	0
FORD C	338	431.00	4583.00	1.72	.84	12.15	.00	13.87	.84	27.66	.84	0	0
FORD C	339	432.00	4583.00	1.72	.84	10.88	.00	12.59	.84	26.88	.84	0	0
LW INC	340	435.00	4590.00	4.71	.94	17.10	.00	21.81	.94	35.95	.94	0	0
CLEV-MUNY	341	447.00	4597.00	8.89	1.88	30.25	.00	39.13	1.88	51.32	1.88	0	0
CEI	342	446.50	4597.00	8.89	1.88	33.55	.00	42.43	1.88	53.33	1.88	0	0
CEI L	343	446.50	4599.00	.45	.10	28.66	.00	29.11	.10	35.50	.10	0	0
ELK P	344	464.00	4613.00	.70	.19	13.26	.00	13.97	.19	26.56	.19	0	0
ELK P	345	463.00	4612.00	.68	.38	15.26	.00	15.93	.38	27.73	.38	0	0
ELK P	346	464.00	4612.00	.68	.38	13.72	.00	14.39	.38	26.79	.38	0	0
OHIO R	347	465.50	4611.00	.70	.19	25.22	.00	25.92	.19	33.85	.19	0	0
OHIO R	348	464.50	4610.00	.59	.39	15.11	.00	15.69	.39	27.48	.39	0	0
OHIO R	349	466.00	4610.00	.49	.15	18.07	.00	18.56	.15	29.11	.15	0	0
OHIO R	350	465.00	4609.00	.38	.26	16.99	.00	17.37	.26	28.27	.26	0	0
OHIO R	351	466.00	4609.00	.27	.11	15.63	.00	15.90	.11	27.24	.11	0	0
EUC &WIK	352	461.00	4607.00	4.43	.67	20.03	.00	24.47	.67	37.25	.67	0	0
EUC &WIK	353	459.00	4606.00	2.03	.37	22.64	.00	24.67	.37	34.61	.37	0	0
EUC &WIK	354	457.00	4605.50	4.88	.91	26.35	.00	31.23	.91	41.89	.91	0	0
EUC &WIK	355	455.00	4604.00	2.54	.49	22.79	.00	25.33	.49	35.60	.49	0	0
EUC &WIK	356	456.50	4603.50	2.30	.42	26.10	.00	28.40	.42	37.20	.42	0	0
EUC &WIK	357	459.00	4604.00	1.71	.33	20.78	.00	22.49	.33	32.92	.33	0	0
EUC &WIK	358	458.00	4604.00	1.71	.33	23.91	.00	25.62	.33	34.82	.33	0	0
EUC &WIK	359	454.50	4603.00	2.78	.55	22.26	.00	25.04	.55	35.70	.55	0	0
EUC &WIK	360	455.00	4602.00	2.70	.53	23.14	.00	25.84	.53	36.09	.53	0	0
EUC &WIK	361	456.00	4602.00	1.55	.29	24.31	.00	25.86	.29	34.79	.29	0	0
NL&FB	362	451.00	4601.00	3.37	.66	27.40	.00	30.76	.66	39.86	.66	0	0
NL&FB	363	453.00	4601.00	3.84	.77	24.95	.00	28.79	.77	39.22	.77	0	0
NL&FB	364	453.00	4600.00	4.43	.86	25.35	.00	29.78	.86	40.49	.86	0	0
NL&FB	365	451.50	4599.50	7.35	1.56	28.45	.00	35.80	1.56	47.52	1.56	0	0
NL&FB	366	453.50	4598.00	5.01	.95	23.10	.00	28.11	.95	40.14	.95	0	0
UNIV HT.	367	455.00	4594.00	4.06	.73	17.34	.00	21.40	.73	34.95	.73	0	0
CLE-CBD	368	446.00	4598.00	.45	.10	25.78	.00	26.22	.10	33.74	.10	0	0
CLE-CBD	369	445.00	4596.00	4.98	1.32	42.28	.00	47.26	1.32	51.78	1.32	0	0
CLE-CBD	370	443.00	4593.00	3.16	.67	30.62	.00	33.79	.67	41.48	.67	0	0
CLE-CBD	371	443.00	4592.00	5.75	.00	26.37	.00	32.12	.00	43.43	.00	0	0
CLE-CBD	372	446.00	4591.00	4.23	.93	38.75	.00	42.98	.93	48.31	.93	0	0
CLE-CBD	373	445.00	4597.00	4.98	1.32	31.16	.00	36.14	1.32	45.00	1.32	0	0
CLE-CBD	374	443.50	4596.00	1.07	.76	41.08	.00	42.16	.76	44.18	.76	0	0
CLE-SWCBD	375	442.00	4588.00	4.57	.97	22.79	.00	27.36	.97	39.17	.97	0	0
MED CTR	376	449.50	4594.50	5.00	1.11	25.29	.00	30.29	1.11	41.45	1.11	0	0

CDMI VERSION 70130. RUN 15
(MICROGRAMS PER CUBIC METER)
CLEVELAND STRATEGY

RECEPTOR	ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
GMC-TRANSC	38	435.40	4586.10	1.13	.22	30.93	.00	32.07	.22	30.10	.22	0	0
GMC-TRANSC	39	435.00	4586.00	1.97	.38	18.38	.00	20.35	.38	31.91	.38	0	0
GMC-TRANSC	40	434.70	4585.80	2.81	.54	15.63	.00	18.43	.54	31.70	.54	0	0
GMC-TRANSC	33	434.50	4585.50	2.81	.54	15.14	.00	17.95	.54	31.41	.54	0	0
GMC-TRANSC	46	434.40	4585.10	2.81	.54	14.52	.00	17.32	.54	31.03	.54	0	0
GMC-TRANSC	52	434.50	4584.70	2.75	.49	13.92	.00	16.67	.49	30.55	.49	0	0
GMC-TRANSC	81	434.70	4584.40	2.75	.49	15.42	.00	18.17	.49	31.47	.49	0	0
GMC-TRANSC	82	435.00	4584.20	2.97	.53	17.31	.00	20.28	.53	33.02	.53	0	0
GMC-TRANSC	83	435.40	4584.10	3.20	.58	22.32	.00	25.52	.58	36.48	.58	0	0
GMC-TRANSC	84	435.40	4586.60	1.13	.22	26.28	.00	27.41	.22	35.26	.22	0	0
GMC-TRANSC	85	433.90	4585.70	2.81	.54	14.67	.00	17.48	.54	31.12	.54	0	0
GMC-TRANSC	86	433.80	4585.10	2.81	.54	13.63	.00	16.44	.54	30.48	.54	0	0
FMC-CAST	87	430.70	4585.50	3.13	.58	11.99	.00	15.12	.58	30.06	.58	0	0
FMC-CAST	88	430.10	4585.40	3.13	.58	9.76	.00	12.89	.58	28.69	.58	0	0
FMC-CAST	89	429.10	4585.50	1.63	.83	9.07	.00	10.70	.83	25.63	.83	0	0
FMC-CAST	98	429.10	4583.20	.70	.67	7.80	.00	8.51	.67	23.23	.67	0	0
FMC-CAST	102	430.10	4582.20	1.65	.28	9.92	.00	11.57	.28	26.18	.28	0	0
FMC-CAST	103	430.70	4582.10	1.65	.28	11.30	.00	12.95	.28	27.02	.28	0	0
FMC-CAST	104	456.10	4578.20	.29	.07	28.89	.00	29.18	.07	35.36	.07	0	0
FMC-CAST	120	455.90	4578.10	.29	.07	11.81	.00	12.10	.07	24.94	.07	0	0
FMC-CAST	193	455.80	4577.90	.29	.07	10.35	.00	10.64	.07	24.05	.07	0	0
FMC-CAST	194	455.90	4577.70	.29	.07	12.14	.00	12.43	.07	25.14	.07	0	0
FMC-CAST	218	456.10	4577.60	.29	.07	20.46	.00	20.75	.07	30.22	.07	0	0
GMC-TRANSC	219	433.90	4584.50	2.75	.49	13.48	.00	16.23	.49	30.29	.49	0	0
GMC-TRANSC	220	434.90	4583.60	2.75	.49	15.40	.00	18.14	.49	31.46	.49	0	0
EDGEWATER	221	400.60	4593.30	.37	.19	11.37	.00	11.74	.19	24.82	.19	0	0
EDGEWATER	191	399.20	4592.70	.00	.00	7.34	.00	7.34	.00	21.71	.00	0	0
USS LOR	222	403.50	4589.00	.82	.40	11.78	.00	12.60	.40	25.87	.40	0	0
USS LOR	223	404.50	4588.00	.82	.40	16.86	.00	17.69	.40	28.97	.40	0	0
USS LOR	224	404.50	4590.00	.60	.29	21.52	.00	22.12	.29	31.41	.29	0	0
AVON LAKE	225	410.20	4595.20	.04	.02	11.91	.00	11.95	.02	24.56	.02	0	0
AVON LAKE	226	410.40	4594.40	.15	.07	12.03	.00	12.18	.07	24.83	.07	0	0
AVON LAKE	227	410.80	4593.80	.15	.07	13.17	.00	13.32	.07	25.52	.07	0	0
DIV-PUMP	228	440.00	4594.00	.94	.20	17.59	.00	18.53	.20	29.61	.20	0	0
DIV-PUMP	229	441.00	4593.00	.35	.09	18.20	.00	18.55	.09	28.94	.09	0	0
NATL.CAN.	230	443.00	4593.00	3.16	.67	30.62	.00	33.79	.67	41.48	.67	0	0
CEI HAM	231	444.00	4597.00	1.07	.76	34.71	.00	35.79	.76	40.29	.76	0	0
CLEV.MUNY.	232	445.00	4597.00	4.98	1.32	31.16	.00	36.14	1.32	45.00	1.32	0	0
CLEV.MUNY.	233	445.00	4599.00	.31	.07	27.89	.00	28.20	.07	34.79	.07	0	0
CLEV.MUNY.	234	446.00	4599.00	.45	.10	27.99	.00	28.44	.10	35.09	.10	0	0
LAKE SHORE	235	447.00	4599.00	.45	.10	30.12	.00	30.57	.10	36.39	.10	0	0
MED.CENT.	236	448.00	4595.00	7.17	1.48	30.78	.00	37.95	1.48	48.62	1.48	0	0
GMC-FISHER	237	450.00	4601.00	1.71	.34	32.65	.00	34.36	.34	40.16	.34	0	0
HUPPING	238	451.50	4601.00	3.37	.66	26.77	.00	30.13	.66	39.48	.66	0	0
HUPPING	239	451.50	4599.00	7.35	1.56	27.30	.00	34.65	1.56	46.81	1.56	0	0

COMI VERSION 7d130. RUN 15
(MICROGRAMS PER CUBIC METER)
CLEVELAND STRATEGY

RECEPTOR	ID	COORDINATE X	Y	AREA P1	P2	POINT P1	P2	TOTAL P1	P2	CALIBRATED P1	P2	OBS. MEAN P1	P2
HUPPING	240	453.00	4599.00	5.01	.95	23.07	.00	28.09	.95	40.13	.95	0	0
HUPPING	241	453.00	4601.00	3.84	.77	24.95	.00	28.79	.77	39.22	.77	0	0
GEN.ELEC.	250	455.00	4602.00	2.70	.53	23.14	.00	25.84	.53	36.09	.53	0	0
GEN.ELEC.	251	455.00	4603.00	2.54	.49	22.48	.00	25.02	.49	35.41	.49	0	0
GEN.ELEC.	264	456.00	4603.00	2.30	.42	32.22	.00	34.52	.42	40.93	.42	0	0
GEN.ELEC.	377	456.00	4602.00	1.55	.29	24.31	.00	25.86	.29	34.79	.29	0	0
ADDRESSOGR	378	457.00	4604.00	2.30	.42	24.95	.00	27.25	.42	36.49	.42	0	0
ADDRESSOGR	379	457.00	4606.00	4.88	.91	24.51	.00	29.39	.91	40.77	.91	0	0
ADDRESSOGR	380	458.00	4606.00	2.03	.37	24.65	.00	26.68	.37	35.84	.37	0	0
ADDRESSOGR	381	458.00	4604.00	1.71	.33	23.91	.00	25.62	.33	34.82	.33	0	0
ADDRESSOGR	382	459.00	4606.00	2.03	.37	22.64	.00	24.67	.37	34.61	.37	0	0
ADDRESSOGR	383	459.00	4608.00	.89	.17	20.62	.00	21.51	.17	31.38	.17	0	0
LUBRIZOL	384	461.00	4606.00	4.43	.67	18.61	.00	23.05	.67	36.38	.67	0	0
LUBRIZOL	385	461.00	4608.00	1.34	.66	18.75	.00	20.09	.66	31.03	.66	0	0
CEI-E.LAKE	386	463.00	4615.40	.00	.00	16.54	.00	16.54	.00	27.32	.00	0	0
CEI-E.LAKE	387	462.00	4615.20	.00	.00	12.89	.00	12.89	.00	25.09	.00	0	0
OHIO RUBB.	388	464.50	4611.00	.68	.38	15.36	.00	16.03	.38	27.79	.38	0	0
OHIO RUBB.	389	466.00	4611.00	.70	.19	20.88	.00	21.59	.19	31.21	.19	0	0
REP. STEEL	390	475.60	4624.00	.04	.00	13.31	.00	13.35	.00	25.42	.00	0	0
DIA.SHAMRK	391	477.40	4624.00	.04	.00	16.46	.00	16.50	.00	27.34	.00	0	0
US STEEL	392	476.50	4619.60	.82	.21	16.56	.00	17.38	.21	28.78	.21	0	0
CLEV -MUNY	393	446.00	4598.00	.45	.10	25.78	.00	26.22	.10	33.74	.10	0	0
CLE-MUNY	394	445.50	4597.00	8.89	1.88	29.83	.00	38.72	1.88	51.07	1.88	0	0
CLEV-MUNY	395	445.00	4598.00	.31	.07	28.42	.00	28.73	.07	35.11	.07	0	0
CLEV-MUNY	396	445.50	4598.00	.45	.10	26.19	.00	26.64	.10	33.99	.10	0	0
REP. STEEL	127	442.60	4592.60	3.16	.67	26.86	.00	30.03	.67	39.19	.67	0	0
FORD LOR	397	394.00	4587.20	.07	.03	35.26	.00	35.33	.03	38.86	.03	0	0
FORD LOR	398	393.20	4587.00	.07	.03	7.50	.00	7.57	.03	21.93	.03	0	0
FORD LOR	399	393.40	4586.50	.07	.03	7.91	.00	7.98	.03	22.18	.03	0	0
FORD LOR	400	393.50	4586.00	.07	.03	10.84	.00	10.91	.03	23.96	.03	0	0
FORD LOR	401	394.00	4585.90	.07	.03	25.05	.00	25.12	.03	32.63	.03	0	0
USS-CUY	402	444.40	4588.60	1.18	.00	73.24	.00	74.42	.00	63.98	.00	0	0
USS-CUY	403	444.00	4588.40	1.18	.00	39.76	.00	40.94	.00	43.56	.00	0	0
USS-CUY	404	443.80	4588.00	1.18	.00	34.67	.00	35.84	.00	40.45	.00	0	0
USS-CUY	405	444.00	4587.60	1.18	.00	39.64	.00	40.82	.00	43.49	.00	0	0
USS-CUY	406	444.40	4587.40	1.04	.21	57.28	.00	58.32	.21	54.00	.21	0	0
USS LOR	407	404.30	4590.20	.37	.19	23.04	.00	23.41	.19	31.94	.19	0	0
USS LOR	408	403.50	4589.90	.82	.40	11.31	.00	12.13	.40	25.58	.40	0	0
USS LOR	409	403.10	4589.00	.82	.40	10.88	.00	11.70	.40	25.32	.40	0	0
USS LOR	410	403.50	4588.20	.82	.40	11.69	.00	12.51	.40	25.81	.40	0	0
USS LOR	411	404.30	4587.80	.82	.40	20.34	.00	21.16	.40	31.09	.40	0	0
USS LOR	412	404.90	4590.60	.37	.19	24.22	.00	24.59	.19	32.66	.19	0	0
USS LOR	413	404.40	4590.50	.37	.19	23.96	.00	24.33	.19	32.50	.19	0	0
USS LOR	414	403.80	4589.90	.82	.40	13.16	.00	13.99	.40	26.71	.40	0	0
USS LOR	415	403.80	4588.90	.82	.40	12.01	.00	12.83	.40	26.01	.40	0	0

CDMI VERSION 7.130. RUN 15
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	RECEPTOR ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
USS LOR	416	404.40	4588.30	.82	.40	17.94	.00	18.77	.40	29.63	.40	0	0
USS LOR	417	404.90	4588.20	.82	.40	19.94	.00	20.77	.40	30.85	.40	0	0
J&LS	418	442.40	4590.90	4.11	.89	23.67	.00	27.78	.89	36.90	.89	0	0
J&LS	419	442.10	4590.80	4.11	.89	21.59	.00	25.70	.89	37.63	.89	0	0
J&LS	420	441.70	4590.40	4.11	.89	20.78	.00	24.89	.89	37.14	.89	0	0
J&LS	421	441.70	4589.80	4.57	.97	21.44	.00	26.01	.97	38.35	.97	0	0
J&LS	422	442.10	4589.40	4.57	.97	22.71	.00	27.28	.97	39.13	.97	0	0
J&LS	423	442.40	4589.30	4.57	.97	24.69	.00	29.26	.97	40.33	.97	0	0
J&LS	424	443.60	4592.70	3.16	.67	46.23	.00	49.40	.67	51.00	.67	0	0
J&LS	425	442.80	4592.40	5.75	.00	26.87	.00	32.62	.00	43.74	.00	0	0
J&LS	426	442.40	4591.50	4.11	.89	24.65	.00	28.76	.89	39.50	.89	0	0
J&LS	170	442.80	4590.70	1.82	2.02	27.41	.00	29.23	2.02	37.16	2.02	0	0
J&LS	171	443.60	4590.30	1.82	2.02	36.74	.00	38.56	2.02	42.85	2.02	0	0

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND STRATEGY

FROM POINT SOURCES

SOURCE	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
1	.26	.26	.28	.45	.44	.87	.88	.46	.43	.86
	.39%	.39%	.43%	.70%	.73%	1.48%	1.49%	.79%	.75%	1.51%
2	.84	.83	.91	1.42	1.41	3.13	3.11	1.49	1.54	3.01
	1.24%	1.26%	1.40%	2.22%	2.34%	5.30%	5.30%	2.54%	2.70%	5.32%
3	.45	.47	.53	.42	.41	.78	.76	.43	.71	.79
	.67%	.71%	.82%	.65%	.68%	1.32%	1.30%	.73%	1.24%	1.39%
4	.36	.36	.37	.36	.67	.44	.44	.36	1.02	.44
	.53%	.54%	.57%	.56%	1.12%	.74%	.75%	.62%	1.78%	.77%
5	.30	.30	.32	.30	.53	.43	.43	.31	.92	.44
	.45%	.46%	.49%	.46%	.89%	.73%	.74%	.54%	1.60%	.77%
6	.28	.28	.30	.29	.50	.40	.40	.29	.86	.41
	.42%	.43%	.46%	.45%	.83%	.68%	.69%	.50%	1.50%	.72%
7	.29	.29	.31	.29	.51	.45	.45	.30	.92	.45
	.43%	.44%	.48%	.45%	.84%	.75%	.76%	.52%	1.62%	.80%
8	.30	.29	.32	.30	.52	.46	.46	.31	.95	.47
	.44%	.45%	.49%	.47%	.86%	.77%	.78%	.53%	1.65%	.82%
9	.09	.17	.09	.08	.08	.16	.13	.08	.14	.12
	.13%	.26%	.14%	.13%	.14%	.28%	.22%	.14%	.24%	.22%
10	.07	.07	.07	.07	.07	.01	.01	.07	.02	.02
	.10%	.10%	.11%	.10%	.11%	.01%	.02%	.12%	.04%	.04%
11	.24	.21	.16	.56	.52	.26	.27	.74	.20	.24
	.35%	.32%	.25%	.87%	.87%	.44%	.46%	1.26%	.34%	.42%
12	.34	.35	.17	.92	.91	.75	.79	.93	.58	.67
	.51%	.53%	.26%	1.43%	1.51%	1.27%	1.34%	1.59%	1.01%	1.18%
13	.09	.07	.07	.09	.09	.14	.14	.09	.15	.14
	.13%	.10%	.11%	.14%	.14%	.24%	.25%	.16%	.27%	.24%
14	.20	.21	.20	.19	.19	.18	.18	.18	.18	.19
	.30%	.32%	.31%	.29%	.31%	.31%	.31%	.31%	.31%	.33%
15	.04	.05	.04	.04	.04	.04	.04	.04	.04	.04
	.07%	.07%	.07%	.06%	.07%	.07%	.07%	.07%	.07%	.07%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND STRATEGY

FROM POINT SOURCES

SOURCE	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
16	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02
	.03%	.04%	.03%	.03%	.04%	.04%	.04%	.04%	.04%	.04%
17	.44	.46	.44	.42	.41	.42	.42	.41	.42	.43
	.66%	.69%	.68%	.65%	.69%	.72%	.72%	.70%	.73%	.77%
18	.04	.03	.03	.04	.04	.04	.04	.04	.04	.04
	.05%	.05%	.05%	.06%	.07%	.07%	.07%	.07%	.07%	.08%
19	.05	.05	.05	.05	.05	.10	.10	.06	.10	.09
	.08%	.08%	.08%	.08%	.09%	.17%	.17%	.09%	.18%	.17%
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
21	.69	1.28	.61	.21	.20	.08	.08	.30	.08	.09
	1.02%	1.95%	.94%	.33%	.33%	.14%	.14%	.50%	.14%	.16%
22	.55	1.24	.48	.14	.13	.05	.05	.20	.04	.05
	.81%	1.88%	.73%	.22%	.22%	.08%	.08%	.34%	.08%	.09%
23	.72	2.04	1.17	.30	.28	.09	.10	.28	.09	.11
	1.07%	3.10%	1.80%	.47%	.46%	.16%	.16%	.47%	.16%	.19%
24	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
25	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
26	.19	.18	.16	.22	.22	.18	.19	.20	.19	.20
	.28%	.28%	.25%	.34%	.37%	.31%	.32%	.35%	.33%	.35%
27	.41	.42	.55	.38	.37	1.38	1.38	.21	.76	1.07
	.61%	.65%	.84%	.59%	.61%	2.34%	2.36%	.36%	1.32%	1.88%
28	.01	.01	.01	.01	.01	.01	.02	.01	.02	.02
	.01%	.01%	.02%	.02%	.02%	.01%	.03%	.02%	.03%	.03%
29	.01	.01	.00	.01	.01	.03	.03	.01	.03	.03
	.01%	.01%	.00%	.02%	.02%	.05%	.05%	.02%	.05%	.05%
30	.07	.08	.02	.10	.10	.26	.26	.10	.26	.27
	.11%	.12%	.03%	.15%	.16%	.43%	.44%	.17%	.45%	.47%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND STRATEGY

FROM POINT SOURCES

SOURCE	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
31	.12	.07	.09	.05	.05	.09	.09	.06	.09	.11
	.18%	.11%	.14%	.08%	.08%	.15%	.16%	.10%	.15%	.19%
32	.12	.07	.09	.05	.05	.09	.09	.06	.09	.11
	.18%	.11%	.14%	.08%	.08%	.15%	.16%	.10%	.15%	.19%
33	.12	.07	.09	.05	.05	.09	.09	.06	.09	.11
	.18%	.11%	.14%	.08%	.08%	.15%	.16%	.10%	.15%	.19%
34	.12	.07	.09	.05	.05	.09	.09	.06	.09	.11
	.18%	.11%	.14%	.08%	.08%	.15%	.16%	.10%	.15%	.19%
35	.12	.07	.09	.05	.05	.09	.09	.06	.09	.11
	.18%	.11%	.14%	.08%	.08%	.15%	.16%	.10%	.15%	.19%
36	.12	.07	.09	.05	.05	.09	.09	.06	.09	.11
	.18%	.11%	.14%	.08%	.08%	.15%	.16%	.10%	.15%	.19%
37	.39	.22	.25	.17	.17	.33	.34	.19	.33	.38
	.58%	.34%	.39%	.27%	.28%	.56%	.58%	.33%	.57%	.67%
38	.20	.11	.13	.09	.09	.17	.17	.10	.16	.19
	.30%	.17%	.20%	.14%	.14%	.28%	.29%	.17%	.28%	.34%
39	.32	.19	.27	.14	.13	.24	.25	.15	.23	.28
	.48%	.28%	.41%	.21%	.22%	.41%	.42%	.26%	.41%	.50%
40	.30	.18	.25	.13	.12	.23	.23	.15	.22	.27
	.45%	.27%	.39%	.20%	.20%	.38%	.40%	.25%	.39%	.47%
41	.25	.14	.15	.12	.11	.24	.25	.13	.24	.26
	.37%	.21%	.24%	.18%	.19%	.41%	.42%	.21%	.41%	.47%
42	.06	.13	.03	.06	.06	.13	.13	.06	.13	.13
	.09%	.19%	.05%	.09%	.10%	.21%	.22%	.10%	.22%	.23%
43	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02
	.03%	.03%	.03%	.03%	.03%	.04%	.04%	.03%	.04%	.04%
44	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.02%	.02%	.01%	.02%	.02%
45	.19	.19	.21	.21	.21	.27	.27	.22	.29	.27
	.28%	.28%	.32%	.32%	.34%	.45%	.47%	.37%	.51%	.48%

----SOURCE CONTRIBUTION TABLE----

ANNUAL SO2

(MICROGRAM PER CUBIC METER)

CLEVELAND STRATEGY

FROM POINT SOURCES

SOURCE	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
46	.19	.19	.21	.21	.21	.27	.28	.22	.30	.28
	.29%	.28%	.32%	.33%	.35%	.46%	.48%	.38%	.52%	.49%
47	.22	.23	.32	.09	.09	.23	.24	.10	.19	.24
	.32%	.34%	.50%	.14%	.14%	.40%	.41%	.17%	.33%	.43%
48	.10	.10	.07	.19	.19	.29	.22	.20	.21	.23
	.15%	.16%	.10%	.30%	.32%	.49%	.37%	.35%	.37%	.40%
49	.07	.05	.05	.14	.13	.20	.16	.14	.15	.16
	.11%	.08%	.08%	.21%	.22%	.34%	.26%	.24%	.26%	.29%
50	.07	.05	.04	.12	.12	.16	.12	.13	.12	.13
	.10%	.07%	.07%	.19%	.20%	.27%	.21%	.22%	.21%	.23%
51	.07	.05	.04	.12	.12	.16	.12	.13	.12	.13
	.10%	.07%	.07%	.19%	.20%	.27%	.21%	.22%	.21%	.23%
52	.07	.05	.04	.12	.12	.16	.12	.13	.12	.13
	.10%	.07%	.07%	.19%	.20%	.27%	.21%	.22%	.21%	.23%
53	.07	.05	.04	.12	.12	.15	.12	.13	.12	.13
	.10%	.07%	.07%	.19%	.20%	.26%	.20%	.22%	.20%	.23%
54	.07	.05	.04	.12	.12	.15	.12	.13	.12	.13
	.10%	.07%	.07%	.19%	.20%	.26%	.20%	.22%	.20%	.23%
55	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
56	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
57	.04	.03	.04	.08	.07	.07	.06	.09	.05	.06
	.06%	.05%	.07%	.12%	.12%	.12%	.09%	.15%	.09%	.11%
58	.04	.03	.04	.08	.07	.07	.06	.09	.05	.06
	.06%	.05%	.07%	.12%	.12%	.12%	.09%	.15%	.09%	.11%
59	.04	.03	.04	.08	.07	.07	.06	.09	.05	.06
	.06%	.05%	.07%	.12%	.12%	.12%	.09%	.15%	.09%	.11%
60	.04	.03	.04	.08	.07	.07	.06	.09	.05	.06
	.06%	.05%	.07%	.12%	.12%	.12%	.09%	.15%	.09%	.11%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND STRATEGY

FROM POINT SOURCES

SOURCE	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
61	.05	.03	.04	.08	.08	.07	.05	.09	.05	.06
	.07%	.05%	.07%	.12%	.13%	.11%	.09%	.16%	.09%	.11%
62	.05	.03	.04	.08	.08	.07	.05	.09	.05	.06
	.07%	.05%	.07%	.12%	.13%	.11%	.09%	.16%	.09%	.11%
63	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
65	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
66	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
67	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
68	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
69	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
70	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
71	.05	.03	.04	.08	.08	.07	.05	.09	.05	.06
	.07%	.05%	.07%	.12%	.13%	.11%	.09%	.16%	.09%	.11%
72	.00	.00	.00	.00	.00	.06	.06	.01	.06	.06
	.00%	.00%	.01%	.01%	.01%	.09%	.09%	.01%	.10%	.10%
73	.61	.03	.12	.06	.06	.06	.06	.07	.06	.06
	.91%	.04%	.19%	.09%	.10%	.10%	.10%	.11%	.10%	.11%
74	.27	.02	.11	.06	.06	.06	.06	.07	.06	.06
	.40%	.03%	.17%	.09%	.10%	.10%	.10%	.11%	.10%	.11%
75	.07	.03	.00	.04	.04	.10	.10	.03	.09	.10
	.11%	.05%	.00%	.06%	.07%	.16%	.16%	.04%	.17%	.18%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND STRATEGY

FROM POINT SOURCES

SOURCE	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
76	.03	.01	.00	.04	.04	.10	.10	.02	.10	.10
	.05%	.02%	.00%	.06%	.07%	.17%	.17%	.04%	.17%	.18%
77	.01	.01	.00	.01	.02	.04	.04	.02	.03	.04
	.01%	.01%	.00%	.02%	.04%	.06%	.06%	.04%	.05%	.07%
78	.06	.06	.02	.19	.19	.28	.28	.20	.21	.29
	.08%	.09%	.04%	.30%	.32%	.47%	.48%	.33%	.36%	.52%
79	.08	.05	.04	.16	.16	.24	.24	.17	.18	.18
	.11%	.07%	.05%	.26%	.27%	.41%	.42%	.28%	.31%	.33%
80	.07	.04	.03	.15	.15	.23	.17	.15	.17	.17
	.10%	.06%	.05%	.24%	.25%	.38%	.29%	.26%	.29%	.30%
81	.56	.26	.25	.27	.27	.62	.62	.27	.62	.62
	.83%	.40%	.38%	.43%	.45%	1.05%	1.06%	.47%	1.09%	1.09%
82	.61	.29	.07	.32	.33	.57	.57	.26	.56	.60
	.91%	.45%	.10%	.51%	.55%	.96%	.98%	.45%	.98%	1.07%
83	.19	.19	.19	.38	.38	.45	.45	.39	.45	.45
	.29%	.30%	.29%	.60%	.63%	.76%	.77%	.67%	.78%	.80%
84	.51	.25	.23	.25	.25	.54	.54	.25	.54	.55
	.76%	.38%	.36%	.40%	.42%	.91%	.92%	.44%	.94%	.97%
85	.24	.11	.09	.11	.11	.24	.24	.11	.24	.23
	.35%	.17%	.14%	.18%	.19%	.41%	.41%	.19%	.42%	.41%
86	.49	.24	.23	.24	.24	.52	.52	.24	.52	.53
	.72%	.36%	.35%	.38%	.40%	.88%	.89%	.42%	.90%	.93%
87	.43	.20	.18	.21	.21	.45	.45	.21	.45	.46
	.63%	.31%	.27%	.33%	.35%	.76%	.77%	.36%	.78%	.81%
88	.12	.07	.07	.12	.12	.16	.16	.13	.15	.17
	.18%	.10%	.12%	.18%	.19%	.27%	.27%	.22%	.27%	.30%
89	.03	.03	.03	.03	.01	.03	.03	.01	.03	.03
	.04%	.04%	.04%	.04%	.02%	.05%	.05%	.02%	.05%	.05%
90	.02	.02	.02	.02	.02	.02	.02	.01	.02	.02
	.03%	.03%	.03%	.03%	.03%	.04%	.04%	.02%	.04%	.04%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND STRATEGY

FROM POINT SOURCES

SOURCE	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
91	.12	.12	.14	.06	.05	.18	.17	.06	.16	.18
	.18%	.19%	.22%	.09%	.09%	.31%	.29%	.10%	.27%	.32%
92	.12	.12	.14	.06	.05	.18	.17	.06	.16	.18
	.18%	.19%	.22%	.09%	.09%	.31%	.29%	.10%	.27%	.32%
93	.12	.12	.14	.06	.05	.18	.17	.06	.16	.18
	.18%	.19%	.22%	.09%	.09%	.31%	.29%	.10%	.27%	.32%
94	.12	.12	.14	.06	.05	.18	.17	.06	.16	.18
	.18%	.19%	.22%	.09%	.09%	.31%	.29%	.10%	.27%	.32%
95	.12	.12	.14	.06	.05	.18	.17	.06	.16	.18
	.18%	.19%	.22%	.09%	.09%	.31%	.29%	.10%	.27%	.32%
96	.12	.12	.14	.05	.05	.18	.16	.06	.15	.17
	.17%	.18%	.21%	.08%	.09%	.30%	.28%	.10%	.27%	.31%
97	1.28	1.09	1.51	8.41	6.68	.66	.69	6.42	.52	.76
	1.90%	1.66%	2.33%	13.14%	11.10%	1.12%	1.17%	10.96%	.91%	1.34%
98	1.28	1.09	1.51	8.41	6.68	.66	.69	6.42	.52	.76
	1.90%	1.66%	2.33%	13.14%	11.10%	1.12%	1.17%	10.96%	.91%	1.34%
99	.47	.37	.47	3.84	3.42	.17	.18	2.37	.14	.20
	.69%	.56%	.72%	6.01%	5.67%	.29%	.31%	4.05%	.24%	.35%
100	.47	.37	.47	3.84	3.42	.17	.18	2.37	.14	.20
	.69%	.56%	.72%	6.01%	5.67%	.29%	.31%	4.05%	.24%	.35%
101	.47	.37	.47	3.84	3.42	.17	.18	2.37	.14	.20
	.69%	.56%	.72%	6.01%	5.67%	.29%	.31%	4.05%	.24%	.35%
102	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
103	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
104	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
105	.08	.08	.08	.08	.08	.10	.10	.08	.11	.10
	.12%	.12%	.12%	.12%	.13%	.18%	.18%	.14%	.19%	.18%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND STRATEGY

FROM POINT SOURCES

SOURCE	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
106	.08 .12%	.08 .12%	.08 .12%	.08 .12%	.08 .13%	.10 .18%	.10 .18%	.08 .14%	.11 .19%	.10 .18%
107	.08 .12%	.08 .12%	.08 .13%	.08 .13%	.08 .14%	.11 .18%	.11 .18%	.08 .14%	.11 .19%	.11 .19%
108	.13 .19%	.13 .19%	.13 .20%	.13 .20%	.13 .21%	.16 .28%	.16 .28%	.13 .22%	.17 .29%	.16 .29%
109	.13 .19%	.13 .20%	.13 .20%	.13 .21%	.13 .22%	.14 .24%	.14 .24%	.13 .23%	.14 .25%	.14 .25%
110	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
111	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
112	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
113	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
114	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
115	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
116	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
117	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
118	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
119	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%
120	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND STRATEGY

FROM POINT SOURCES

SOURCE	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
121	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
122	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
123	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.01%	.01%	.01%	.01%	.01%	.01%
124	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.02%	.02%	.01%	.02%	.02%
125	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
126	.03	.03	.03	.03	.03	.05	.05	.04	.05	.05
	.05%	.05%	.05%	.05%	.06%	.08%	.08%	.06%	.09%	.09%
127	.06	.06	.06	.06	.06	.07	.07	.06	.07	.07
	.08%	.08%	.09%	.09%	.09%	.12%	.12%	.10%	.13%	.13%
128	.01	.01	.01	.01	.01	.02	.02	.01	.02	.02
	.02%	.02%	.02%	.02%	.02%	.03%	.03%	.02%	.03%	.03%
129	.01	.01	.01	.01	.01	.02	.02	.01	.02	.01
	.02%	.02%	.02%	.02%	.02%	.03%	.03%	.02%	.03%	.03%
130	.01	.01	.01	.01	.01	.02	.02	.01	.02	.02
	.02%	.02%	.02%	.02%	.02%	.04%	.04%	.02%	.04%	.04%
131	.01	.01	.01	.01	.01	.02	.02	.01	.02	.02
	.02%	.02%	.02%	.02%	.02%	.03%	.03%	.02%	.03%	.03%
132	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.02%	.02%	.02%	.02%	.02%	.02%	.02%	.02%	.02%	.02%
133	.01	.01	.01	.01	.01	.02	.02	.01	.02	.02
	.02%	.02%	.02%	.02%	.02%	.04%	.04%	.02%	.04%	.04%
134	.01	.01	.01	.01	.01	.02	.02	.01	.02	.02
	.02%	.02%	.02%	.02%	.02%	.03%	.03%	.02%	.04%	.03%
135	.01	.02	.04	.01	.01	.14	.11	.04	.10	.11
	.01%	.02%	.06%	.01%	.01%	.24%	.18%	.06%	.18%	.20%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND STRATEGY

FROM POINT SOURCES

SOURCE	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
136	.03 .04%	.05 .07%	.11 .16%	.05 .07%	.03 .06%	.22 .36%	.17 .28%	.14 .24%	.16 .28%	.18 .31%
137	.19 .28%	.17 .26%	.15 .23%	.26 .41%	.27 .45%	.20 .34%	.21 .36%	.39 .66%	.21 .37%	.23 .40%
138	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%
139	.15 .22%	.16 .24%	.15 .23%	.13 .21%	.13 .22%	.11 .18%	.11 .18%	.13 .22%	.10 .18%	.11 .20%
140	.16 .24%	.17 .26%	.16 .24%	.14 .22%	.14 .24%	.12 .20%	.12 .20%	.14 .24%	.11 .19%	.12 .21%
141	.07 .11%	.08 .12%	.07 .11%	.07 .11%	.07 .12%	.07 .11%	.07 .11%	.07 .12%	.06 .11%	.07 .12%
142	.07 .11%	.08 .12%	.07 .11%	.07 .11%	.07 .12%	.07 .11%	.07 .11%	.07 .12%	.06 .11%	.07 .12%
143	.07 .11%	.08 .12%	.07 .11%	.07 .11%	.07 .12%	.07 .11%	.07 .11%	.07 .12%	.06 .11%	.07 .12%
144	.07 .11%	.08 .12%	.07 .11%	.07 .11%	.07 .12%	.07 .11%	.07 .11%	.07 .12%	.06 .11%	.07 .12%
145	.06 .09%	.06 .09%	.06 .09%	.06 .09%	.06 .09%	.05 .09%	.05 .09%	.06 .09%	.05 .09%	.05 .09%
146	.06 .09%	.06 .09%	.06 .09%	.06 .09%	.06 .09%	.05 .09%	.05 .09%	.06 .09%	.05 .09%	.05 .09%
147	.13 .19%	.13 .20%	.13 .20%	.12 .19%	.12 .20%	.12 .20%	.12 .20%	.12 .21%	.11 .20%	.12 .20%
148	.17 .25%	.17 .26%	.17 .27%	.16 .26%	.16 .27%	.17 .28%	.16 .28%	.17 .29%	.16 .28%	.16 .29%
149	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
150	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%	.00 .00%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND STRATEGY

FROM POINT SOURCES

SOURCE	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
151	.02 .02%	.02 .03%	.02 .02%	.02 .02%	.02 .03%	.01 .02%	.01 .02%	.02 .03%	.01 .02%	.01 .02%
152	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
153	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
154	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
155	.10 .15%	.10 .16%	.10 .16%	.10 .15%	.10 .16%	.10 .16%	.10 .16%	.10 .17%	.09 .16%	.10 .17%
156	.12 .18%	.12 .18%	.12 .19%	.12 .18%	.11 .19%	.11 .19%	.11 .19%	.11 .20%	.11 .19%	.11 .20%
157	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
158	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
159	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
160	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
161	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
162	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.01 .01%
163	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%
164	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%
165	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%	.01 .02%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND STRATEGY

FROM POINT SOURCES

SOURCE	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
166	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
167	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
168	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
169	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
170	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
171	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
172	.00	.00	.00	.00	.00	.00	.00	.00*	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
173	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
174	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
175	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
176	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
177	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
178	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
179	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
180	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND STRATEGY

FROM POINT SOURCES

SOURCE	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
181	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
182	.16	.17	.16	.14	.14	.12	.12	.14	.11	.12
	.24%	.26%	.24%	.22%	.24%	.20%	.20%	.24%	.19%	.21%
183	.13	.14	.13	.11	.11	.09	.09	.11	.09	.09
	.19%	.21%	.19%	.18%	.19%	.15%	.16%	.19%	.15%	.17%
184	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
185	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
186	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
187	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
188	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
189	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
190	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
191	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.01%	.01%	.01%	.01%	.01%	.01%	.01%

FROM AREA SOURCES

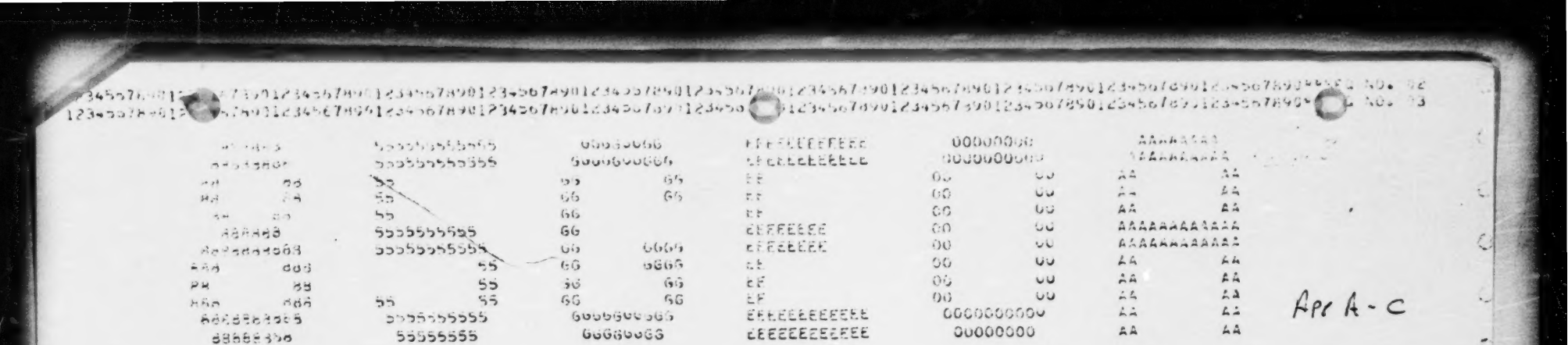
WIND SECTOR	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
N	2.70	2.70	2.70	.21	.21	1.55	1.55	.43	1.55	1.33
	4.02%	4.11%	4.16%	.32%	.34%	2.63%	2.65%	.73%	2.71%	2.35%
NNE	1.38	1.38	1.38	.11	.11	.79	.79	.22	.79	.68
	2.06%	2.10%	2.13%	.16%	.17%	1.34%	1.35%	.37%	1.39%	1.20%
NE	1.03	1.03	1.03	.08	.08	.59	.59	.16	.59	.51
	1.53%	1.56%	1.58%	.12%	.13%	1.00%	1.01%	.28%	1.03%	.89%
ENE	.54	.54	.54	.04	.04	.31	.31	.09	.31	.27
	.81%	.83%	.84%	.06%	.07%	.53%	.53%	.15%	.54%	.47%
E	.66	.66	.66	.05	.05	.38	.38	.10	.38	.32
	.97%	1.00%	1.01%	.08%	.08%	.64%	.64%	.18%	.66%	.57%
ESE	.69	.69	.69	.05	.05	.40	.40	.11	.40	.34
	1.03%	1.05%	1.06%	.08%	.09%	.67%	.67%	.19%	.69%	.60%
SE	1.23	1.23	1.23	.09	.09	.71	.71	.19	.71	.61
	1.83%	1.87%	1.90%	.15%	.16%	1.20%	1.20%	.33%	1.23%	1.07%
SSE	1.99	1.99	1.99	.15	.15	1.14	1.14	.31	1.14	.98
	2.96%	3.02%	3.06%	.24%	.25%	1.93%	1.95%	.53%	1.99%	1.73%
S	4.10	4.10	4.10	.31	.31	2.35	2.35	.65	2.35	2.02
	6.09%	6.23%	6.31%	.49%	.52%	3.98%	4.01%	1.10%	4.11%	3.56%
SSW	3.18	3.18	3.18	.24	.24	1.82	1.82	.50	1.82	1.56
	4.73%	4.83%	4.90%	.38%	.40%	3.09%	3.11%	.85%	3.18%	2.76%
SW	2.82	2.82	2.82	.21	.21	1.62	1.62	.44	1.62	1.39
	4.20%	4.29%	4.35%	.34%	.36%	2.74%	2.76%	.76%	2.83%	2.45%
WSW	1.88	1.88	1.88	.14	.14	1.08	1.08	.30	1.08	.92
	2.79%	2.85%	2.89%	.22%	.24%	1.82%	1.84%	.50%	1.88%	1.63%
W	1.27	1.27	1.27	.10	.10	.73	.73	.20	.73	.62
	1.88%	1.92%	1.95%	.15%	.16%	1.23%	1.24%	.34%	1.27%	1.10%
WNW	1.23	1.23	1.23	.09	.09	.70	.70	.19	.70	.60
	1.82%	1.86%	1.89%	.15%	.15%	1.19%	1.20%	.33%	1.23%	1.07%
NW	1.25	1.25	1.25	.09	.09	.72	.72	.20	.72	.61
	1.85%	1.90%	1.92%	.15%	.16%	1.21%	1.22%	.34%	1.25%	1.08%
NNW	1.32	1.32	1.32	.10	.10	.76	.76	.21	.76	.65
	1.97%	2.01%	2.04%	.16%	.17%	1.29%	1.29%	.36%	1.33%	1.15%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
CLEVELAND STRATEGY

****TOTALS****

WIND SECTOR	RECEPTOR 214	RECEPTOR 50	RECEPTOR 132	RECEPTOR 402	RECEPTOR 63	RECEPTOR 184	RECEPTOR 53	RECEPTOR 62	RECEPTOR 69	RECEPTOR 54
TOTAL	50.0+17.2	48.6+17.2	47.7+17.2	46.7+17.2	43.0+17.2	41.8+17.2	41.4+17.2	41.3+17.2	40.0+17.2	39.4+17.2

@PMD,ED



App A-C

TOLEDO
CDM
REGULATED

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UNIVAC 1110 TIME/SHARING EXEC --- MULTI-PROCESSOR SYSTEM --- VER. 32R002B-407A SITE * E.P.A.

RUNID * 856E0A USER ID * PART NUMBER * 01 INPUT DEVICE * CR1 OUTPUT DEVICE * DATA00

FILE NAME * PRINTOL CREATED AT: 20:40:19 SEP 02,1976 PRINTED AT: 09:53:48 SEP 03,1976

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@DELETE.C TOL-COMMCON.
FORPUR 0026-09/02-20:40

@ASG.A TOLC.
FAC WARNING        040000000200

@ASG.AX MODEL-DATA2.

@ASG.A 72.

@ASG.A 74.

@ASG.A RECEP4.
FAC WARNING        040000000200

@ASG.A PUNCHTOL.
FAC WARNING        040000000200

@RMKPT PUNCH9/PUNCHTOL

@ASG.A PSAML*TOLCALB.
FAC WARNING        040000000200

@USE 13.PSAML*TOLCALB.

@ASG.A PSBML*TOLCALE.
FAC WARNING        040000000200

@USE 14.PSAML*TOLCALE.

@ASG.CP TOL-COMMCON.

@USE 18..TOL-COMMCON.

@ASG.A GOMCOM.
FAC WARNING        100000000000

@XQT GOMCOM.COMECON7-13

@ADD.P PSAML*TOLC.
```

Toledo CDM

Regulated

$ADD.P PSRML$*MODEL-DATA2.TOL-METS

COMI VERSION 75130, RUN 12

THE CENTRAL WIND SPEEDS OF THE SIX WIND SPEED CLASSES (U):

.150000+01	.245872+01	.447040+01	.692912+01	.961136+01	.125171+02

THE EXPONENTIAL OF THE VERTICAL WIND PROFILE BY STABILITY CLASS (UE):

.100000+00	.150000+00	.200000+00	.250000+00	.250000+00	.300000+00

THE INITIAL SIGMA Z FOR AREA SOURCES BY STABILITY CLASS (SZA):

.300000+02	.300000+02	.300000+02	.300000+02	.300000+02	.300000+02

THE CLIMATOLOGICAL MEAN NOCTURNAL AND AFTERNOON MIXING HEIGHTS (HMIN,HT):

.510000+03	.120000+04

THE DAY AND NIGHT EMISSION WEIGHT FACTORS (YD,YN):

.114000+01	.860000+00

THE X-MIN AND Y-MIN OF THE AREA EMISSION INVENTORY GRID (XG,YG):

.255000+03	.456000+04

THE WIDTH OF A BASIC AREA SOURCE SQUARE (TXX):

.100000+04

THE NUMBER OF SUB-SECTORS CONSIDERED IN A 22.5 DEGREE SECTOR, AND ANGULAR WIDTH OF A SUB-SECTOR (DINT,THETA):

.400000+01	.562500+01

THE INITIAL RADIAL INCREMENT (DELR):

.500000+03

THE RADIAL INCREMENT FACTORS (INC):

1	2	4	4

THE RATIO OF EMISSION GRID TO MAP GRID (RAT):

.100000+01

THE GRID CONVERSION FACTOR (CV):

.100000+04

THE AMBIENT AIR TEMPERATURE (TOA):

.283360+03

THE DECAY RATE HALF LIFE FOR P 1 AND P 2 (GB):

.400000+01	.999999+06

INTERCEPTS FOR P 1 AND P 2 (CA):

.137000+02	.000000

SLOPES FOR P 1 AND P 2 (CB AND CC):

.710000+00	.000000	.150000+01	.000000

337<

THE SIGMA Z COEFFICIENT TABLE (G):

.253900-03	.253900-03	.385000-01	.208860+01	.208860+01	.128120+01
.493600-01	.493600-01	.139300+00	.111370+01	.111370+01	.945700+00
.115400+00	.101400+00	.112000+00	.910900+00	.926000+00	.910000+00
.736800+00	.259100+00	.856000-01	.564200+00	.686900+00	.865000+00
.129690+01	.252700+00	.610000-01	.442100+00	.634100+00	.815500+00

COMI VERSION /0136. RUN 12

SECTOR	01	02	03	04	05	06
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 1			
1	.510000-04	.270000-03	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000	.000000	.000000
4	.000000-04	.000000	.000000	.000000	.000000	.000000
5	.110000-03	.140000-03	.000000	.000000	.000000	.000000
6	.170000-03	.700000-04	.000000	.000000	.000000	.000000
7	.500000-04	.270000-03	.000000	.000000	.000000	.000000
8	.400000-04	.210000-03	.000000	.000000	.000000	.000000
9	.140000-03	.410000-03	.000000	.000000	.000000	.000000
10	.600000-04	.340000-03	.000000	.000000	.000000	.000000
11	.400000-04	.210000-03	.000000	.000000	.000000	.000000
12	.300000-04	.000000	.000000	.000000	.000000	.000000
13	.900000-04	.700000-04	.000000	.000000	.000000	.000000
14	.100000-04	.700000-04	.000000	.000000	.000000	.000000
15	.000000	.000000	.000000	.000000	.000000	.000000
16	.100000-04	.700000-04	.000000	.000000	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 2			
1	.770000-03	.640000-03	.170000-03	.000000	.000000	.000000
2	.480000-03	.820000-03	.170000-04	.000000	.000000	.000000
3	.740000-03	.103000-02	.410000-03	.000000	.000000	.000000
4	.700000-03	.750000-03	.143000-04	.000000	.000000	.000000
5	.533000-03	.146000-02	.210000-04	.000000	.000000	.000000
6	.710000-03	.920000-03	.340000-03	.000000	.000000	.000000
7	.250000-03	.270000-03	.840000-03	.000000	.000000	.000000
8	.310000-03	.130000-02	.750000-03	.000000	.000000	.000000
9	.950000-03	.156000-02	.143000-04	.000000	.000000	.000000
10	.720000-03	.151000-02	.210000-04	.000000	.000000	.000000
11	.910000-03	.185000-02	.185000-04	.000000	.000000	.000000
12	.125000-02	.151000-02	.151000-04	.000000	.000000	.000000
13	.750000-03	.116000-02	.103000-04	.000000	.000000	.000000
14	.350000-03	.103000-02	.750000-03	.000000	.000000	.000000
15	.480000-03	.820000-03	.103000-04	.000000	.000000	.000000
16	.630000-03	.820000-03	.340000-03	.000000	.000000	.000000
			THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 3			
1	.140000-03	.960000-03	.370000-02	.680000-03	.700000-04	.000000
2	.250000-03	.116000-02	.185000-04	.700000-04	.000000	.000000
3	.620000-03	.103000-02	.171000-04	.270000-03	.000000	.000000
4	.270000-03	.480000-03	.201000-04	.750000-03	.140000-03	.000000
5	.410000-03	.123000-02	.377000-04	.110000-02	.700000-04	.000000
6	.150000-03	.890000-03	.171000-04	.270000-03	.000000	.000000
7	.290000-03	.750000-03	.412000-04	.210000-03	.000000	.000000
8	.320000-03	.110000-02	.226000-04	.140000-03	.000000	.000000
9	.370000-03	.210000-02	.251000-04	.890000-03	.000000	.000000
10	.900000-03	.171000-02	.301000-04	.960000-03	.000000	.000000
11	.800000-03	.137000-02	.170000-04	.110000-02	.210000-03	.000000
12	.690000-03	.156000-02	.603000-04	.140000-02	.700000-04	.140000-03
13	.900000-03	.171000-02	.927000-04	.199000-02	.700000-04	.700000-04
14	.480000-03	.123000-02	.208000-04	.820000-03	.700000-04	.000000
15	.300000-03	.820000-03	.301000-04	.750000-03	.700000-04	.000000
16	.480000-03	.130000-02	.178000-04	.410000-03	.000000	.000000

COMI VERSION 7/1306. NO. 12

SECTOR	01	02	03	04	05	06
THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 4						
1	.730000-03	.308000-02	.719000-02	.834000-02	.620000-03	.860000-04
2	.720000-03	.218000-02	.592000-02	.193000-02	.290000-03	.000000
3	.590000-03	.218000-02	.473000-02	.366000-02	.330000-03	.200000-03
4	.570000-03	.259000-02	.541000-02	.749000-02	.490000-03	.400000-04
5	.840000-03	.366000-02	.958000-02	.533000-02	.200000-03	.000000
6	.340000-03	.254000-02	.914000-02	.230000-02	.000000	.000000
7	.380000-03	.233000-02	.537000-02	.136000-02	.000000	.000000
8	.640000-03	.230000-02	.477000-02	.296000-02	.800000-04	.000000
9	.380000-03	.587000-02	.129100-01	.836000-02	.200000-03	.000000
10	.560000-03	.477000-02	.102700-01	.108900-01	.330000-03	.000000
11	.450000-03	.444000-02	.130300-01	.179200-01	.140000-02	.250000-03
12	[illegible]	.366000-02	.131900-01	.226900-01	.300000-02	.114000-02
13	.700000-03	.333000-02	.112000-01	.244500-01	.456000-02	.821000-03
14	.310000-03	.181000-02	.746000-02	.153700-01	.154000-02	.370000-03
15	.370000-03	.131000-02	.590000-02	.974000-02	.420000-03	.130000-03
16	.260000-03	.205000-02	.431000-02	.655000-02	.530000-03	.400000-04
THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 5						
1	.480000-03	.266000-02	.466000-02	.553000-02	.410000-03	.600000-04
2	.440000-03	.145000-02	.334000-02	.129000-02	.190000-03	.000000
3	.340000-03	.145000-02	.315000-02	.244000-02	.220000-03	.140000-03
4	.380000-03	.173000-02	.427000-02	.526000-02	.330000-03	.300000-04
5	.560000-03	.244000-02	.638000-02	.422000-02	.140000-03	.000000
6	.240000-03	.170000-02	.342000-02	.154000-02	.000000	.000000
7	.250000-03	.159000-02	.225000-02	.900000-03	.000000	.000000
8	.430000-03	.154300-02	.318000-02	.197000-02	.600000-04	.000000
9	.250000-03	.392000-02	.860000-02	.559000-02	.140000-03	.000000
10	.370000-03	.318000-02	.685000-02	.726000-02	.220000-03	.000000
11	.300000-03	.296000-02	.869000-02	.119400-01	.990000-03	.160000-03
12	.450000-03	.255000-02	.880000-02	.151200-01	.200000-02	.800000-03
13	.460000-03	.222000-02	.751000-02	.163000-01	.304000-02	.550000-03
14	.210000-03	.120000-02	.493000-02	.102500-01	.110000-02	.250000-03
15	.220000-03	.880000-03	.400000-02	.649300-02	.550000-03	.800000-04
16	.130000-03	.137000-02	.285000-02	.438000-02	.350000-03	.300000-04
THE JOINT FREQUENCY FUNCTION FOR STABILITY CLASS 6						
1	.401000-02	.733000-02	.432000-02	.000000	.000000	.000000
2	.255000-02	.349000-02	.960000-03	.000000	.000000	.000000
3	.296000-02	.425000-02	.290000-03	.000000	.000000	.000000
4	.441000-02	.527000-02	.151000-02	.000000	.000000	.000000
5	.544000-02	.740000-02	.201000-02	.000000	.000000	.000000
6	.460000-02	.599000-02	.123000-02	.000000	.000000	.000000
7	.475000-02	.452000-02	.550000-03	.000000	.000000	.000000
8	.693000-02	.781000-02	.750000-03	.000000	.000000	.000000
9	.950000-02	.161600-01	.438000-02	.000000	.000000	.000000
10	.549000-02	.104800-01	.432000-02	.000000	.000000	.000000
11	.736000-02	.158200-01	.601000-02	.000000	.000000	.000000
12	.760000-02	.168400-01	.733000-02	.000000	.000000	.000000
13	.671000-02	.139700-01	.643000-02	.000000	.000000	.000000
14	.343000-02	.493000-02	.562000-02	.000000	.000000	.000000
15	.256000-02	.432000-02	.377000-02	.000000	.000000	.000000
16	.345000-02	.344000-02	.329000-02	.000000	.000000	.000000

** SOURCE CONTRIBUTION VERSION OF CDM **

TOLEDO STRATEGY RUN

TEN MAXIMUM WILL BE SELECTED IN SOURCE CONTRIBUTION

NO STATISTICAL DATA NEEDED

@ADD,P PSBML*72.

COMPUTATION (3130) NOX 12

SOURCE INPUT ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG)	SA(M**2/SEC)
SOURCE NO. 1	B001 TOLEDO EDISON HAYSHORE 100% COAL									
P 1	297.30	4618.10	.00	149.720	.000	76.20	3.70	17.60	130.00	.00
SOURCE NO. 2	B002 TOLEDO EDISON HAYSHORE 100% COAL									
P 2	297.30	4618.10	.00	149.720	.000	76.20	3.70	17.60	130.00	.00
SOURCE NO. 3	B003 TOLEDO EDISON HAYSHORE 100% COAL									
P 3	297.30	4618.10	.00	155.780	.000	76.20	3.70	17.50	129.00	.00
SOURCE NO. 4	B004 TOLEDO EDISON HAYSHORE 100% COAL									
P 4	297.30	4618.10	.00	249.120	.000	76.20	4.30	19.20	128.00	.00
SOURCE NO. 5	B005 TOLEDO EDISON HAYSHORE									
P 5	297.30	4618.10	.00	.330	.000	7.90	3.40	22.80	529.00	.00
SOURCE NO. 6	B001 TOLEDO EDISON ACME 100% OIL									
P 6	290.50	4614.30	.00	21.530	.000	83.80	4.90	5.60	393.00	.00
SOURCE NO. 7	B002 TOLEDO EDISON ACME 100% OIL									
P 7	290.50	4614.30	.00	21.490	.000	83.80	4.90	5.60	393.00	.00
SOURCE NO. 8	B003 TOLEDO EDISON ACME 29% COAL 71% COG									
P 8	290.50	4614.30	.00	130.660	.000	75.00	3.30	14.60	164.00	.00
SOURCE NO. 9	B004 TOLEDO EDISON ACME 61% COAL 29% COG									
P 9	290.50	4614.30	.00	534.480	.000	90.90	6.70	12.70	206.00	.00
SOURCE NO. 10	B012 STANDARD OIL TOLEDO REFINERY									
P 10	295.70	4616.80	.00	.660	.000	30.50	2.00	1.40	735.00	.00
SOURCE NO. 11	B014 STANDARD OIL TOLEDO REFINERY									
P 11	295.70	4616.80	.00	10.250	.000	36.60	3.60	2.50	499.00	.00
SOURCE NO. 12	B015 STANDARD OIL TOLEDO REFINERY									
P 12	295.70	4616.80	.00	21.140	.000	36.60	3.60	2.50	499.00	.00
SOURCE NO. 13	B016 STANDARD OIL REFINERY TOLEDO									
P 13	295.70	4616.80	.00	2.000	.000	41.20	1.20	2.00	799.00	.00
SOURCE NO. 14	B017 STANDARD OIL REFINERY TOLEDO									
P 14	295.70	4616.80	.00	3.100	.000	36.60	1.90	1.10	632.00	.00
SOURCE NO. 15	B018 STANDARD OIL TOLEDO REFINERY									
P 15	295.70	4616.80	.00	4.640	.000	35.10	1.90	1.00	624.00	.00
SOURCE NO. 16	B019 STANDARD OIL TOLEDO REFINERY									
P 16	295.70	4616.80	.00	11.230	.000	35.10	2.60	2.00	563.00	.00
SOURCE NO. 17	B020 STANDARD OIL TOLEDO REFINERY									
P 17	295.70	4616.80	.00	13.520	.000	36.90	2.10	1.30	427.00	.00
SOURCE NO. 18	B021 STANDARD OIL REFINERY TOLEDO									
P 18	295.70	4616.80	.00	.070	.000	11.90	.00	1.30	571.00	.00
SOURCE NO. 19	B022 STANDARD OIL TOLEDO REFINERY									
P 19	295.70	4616.80	.00	3.450	.000	36.60	1.30	3.20	724.00	.00
SOURCE NO. 20	B024 STANDARD OIL TOLEDO REFINERY									
P 20	295.70	4616.80	.00	.300	.000	30.50	1.50	1.50	700.00	.00
SOURCE NO. 21	P001									
P 21	295.70	4616.80	.00	26.930	.000	87.20	.20	8.00	149.00	.00
SOURCE NO. 22	P007									
P 22	295.70	4616.80	.00	29.120	.000	76.20	3.40	8.00	204.00	.00
SOURCE NO. 23	P008									
P 23	295.70	4616.80	.00	.530	.000	45.70	.90	8.00	704.00	.00
SOURCE NO. 24	B001 GULF OIL REFINERY TOLEDO									
P 24	293.10	4616.40	.00	1.150	.000	61.00	3.40	2.30	288.00	.00
SOURCE NO. 25	B002									
P 25	293.10	4616.40	.00	1.150	.000	61.00	3.40	2.30	288.00	.00
SOURCE NO. 26	B003									
P 26	293.10	4616.40	.00	1.150	.000	61.00	3.40	2.30	288.00	.00

SOURCE ID	X(KM)	Y(KM)	TA(M)	SO2(G/SEC)	PART(G/SEC)	H(M)	D(M)	VS(M/SEC)	TS(DEG)	SAR(M**2/SEC)
SOURCE NO. 27 B004										
P 27	293.10	4616.40	.00	1.130	.000	61.00	3.40	2.30	266.00	.00
SOURCE NO. 28 B005										
P 28	293.10	4616.40	.00	3.170	.000	18.30	1.40	9.10	238.00	.00
SOURCE NO. 29 B006										
P 29	293.10	4616.40	.00	3.170	.000	18.30	1.40	9.10	238.00	.00
SOURCE NO. 30 B007										
P 30	293.10	4616.40	.00	8.910	.000	45.70	2.40	14.10	460.00	.00
SOURCE NO. 31 B008										
P 31	293.10	4616.40	.00	.980	.000	45.70	2.40	14.10	460.00	.00
SOURCE NO. 32 B009										
P 32	293.10	4616.40	.00	3.190	.000	43.60	1.90	9.50	549.00	.00
SOURCE NO. 33 B010										
P 33	293.10	4616.40	.00	1.080	.000	27.20	1.00	6.50	371.00	.00
SOURCE NO. 34 B011										
P 34	293.10	4616.40	.00	.540	.000	25.30	.60	14.40	382.00	.00
SOURCE NO. 35 B012										
P 35	293.10	4616.40	.00	.430	.000	21.30	.80	6.30	427.00	.00
SOURCE NO. 36 B013										
P 36	293.10	4616.40	.00	2.540	.000	20.00	2.40	3.30	427.00	.00
SOURCE NO. 37 B014										
P 37	293.10	4616.40	.00	4.510	.000	20.00	2.40	9.00	566.00	.00
SOURCE NO. 38 B015										
P 38	293.10	4616.40	.00	.000	.000	20.00	1.10	2.50	399.00	.00
SOURCE NO. 39 B016										
P 39	293.10	4616.40	.00	2.380	.000	49.40	2.40	3.10	249.00	.00
SOURCE NO. 40 B017										
P 40	293.10	4616.40	.00	2.840	.000	25.60	1.60	7.20	477.00	.00
SOURCE NO. 41 B018										
P 41	293.10	4616.40	.00	1.780	.000	25.60	1.60	4.30	477.00	.00
SOURCE NO. 42 B019										
P 42	293.10	4616.40	.00	1.510	.000	25.30	1.40	4.70	454.00	.00
SOURCE NO. 43 B020										
P 43	293.10	4616.40	.00	.660	.000	22.30	1.40	2.60	482.00	.00
SOURCE NO. 44 P003										
P 44	293.10	4616.40	.00	21.120	.000	49.40	2.40	9.90	249.00	.00
SOURCE NO. 45 P005										
P 45	293.10	4616.40	.00	5.510	.000	30.50	.80	2.80	538.00	.00
SOURCE NO. 46 SUN OIL COMPANY TOLEDO REFINERY B001										
P 46	291.50	4611.80	.00	5.140	.000	53.30	2.40	7.40	454.00	.00
SOURCE NO. 47 B004										
P 47	291.50	4611.80	.00	5.240	.000	53.30	2.40	5.30	460.00	.00
SOURCE NO. 48 B006										
P 48	291.50	4611.80	.00	1.380	.000	26.80	1.50	7.80	371.00	.00
SOURCE NO. 49 B007										
P 49	291.50	4611.80	.00	1.380	.000	26.80	1.50	7.80	371.00	.00
SOURCE NO. 50 B008										
P 50	291.50	4611.80	.00	1.380	.000	26.80	1.50	7.80	371.00	.00
SOURCE NO. 51 B009										
P 51	291.50	4611.80	.00	1.380	.000	26.80	1.50	7.80	371.00	.00
SOURCE NO. 52 B010										
P 52	291.50	4611.80	.00	2.470	.000	38.10	1.90	10.90	510.00	.00

SOURCE INPUT

ID	X(KM)	Y(KM)	TA(M)	SO2(G/SEC)	SP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG)	SA(M**2/SEC)
SOURCE NO. 53	B011									
P 53	291.50	4611.80	.00	3.050	.000	38.10	1.80	9.00	533.00	.00
SOURCE NO. 54	B028									
P 54	291.50	4611.80	.00	.450	.000	42.70	1.50	7.50	404.00	.00
SOURCE NO. 55	B030									
P 55	291.50	4611.80	.00	1.790	.000	42.70	1.80	7.80	307.00	.00
SOURCE NO. 56	B031									
P 56	291.50	4611.80	.00	1.790	.000	42.70	1.80	7.80	307.00	.00
SOURCE NO. 57	B032									
P 57	291.50	4611.80	.00	1.200	.000	53.30	3.70	6.00	260.00	.00
SOURCE NO. 58	B033									
P 58	291.50	4611.80	.00	2.270	.000	53.30	3.70	6.00	260.00	.00
SOURCE NO. 59	B034									
P 59	291.50	4611.80	.00	.440	.000	42.70	2.00	7.30	285.00	.00
SOURCE NO. 60	B035									
P 60	291.50	4611.80	.00	.500	.000	42.70	2.00	7.30	285.00	.00
SOURCE NO. 61	B044									
P 61	291.50	4611.80	.00	10.590	.000	39.60	2.90	7.30	199.00	.00
SOURCE NO. 62	P011									
P 62	291.50	4611.80	.00	103.300	.000	76.90	3.00	28.20	232.00	.00
SOURCE NO. 63	TOLEDO EDISON WATER STREET STATION B001									
P 63	289.10	4613.90	.00	.100	.000	62.20	4.80	4.00	288.00	.00
SOURCE NO. 64	B002									
P 64	289.10	4613.90	.00	.200	.000	62.20	4.80	4.00	288.00	.00
SOURCE NO. 65	B003									
P 65	289.10	4613.90	.00	1.400	.000	62.20	4.80	4.00	288.00	.00
SOURCE NO. 66	B004									
P 66	289.10	4613.90	.00	.400	.000	62.20	4.80	4.00	288.00	.00
SOURCE NO. 67	B005									
P 67	289.10	4613.90	.00	.400	.000	62.20	4.80	4.00	288.00	.00
SOURCE NO. 68	B006									
P 68	289.10	4613.90	.00	4.220	.000	65.20	4.10	3.60	201.00	.00
SOURCE NO. 69	B007									
P 69	289.10	4613.90	.00	3.850	.000	65.20	4.10	3.60	201.00	.00
SOURCE NO. 70	B008									
P 70	289.10	4613.90	.00	6.210	.000	60.40	4.10	1.70	174.00	.00
SOURCE NO. 71	COULTON CHEMICAL TOLEDO B001									
P 71	296.00	4617.80	.00	.010	.000	8.50	.40	9.80	649.00	.00
SOURCE NO. 72	B002									
P 72	296.00	4617.80	.00	.000	.000	6.70	.40	6.50	649.00	.00
SOURCE NO. 73	P001									
P 73	296.00	4617.80	.00	5.980	.000	22.90	1.30	7.20	82.00	136.00
SOURCE NO. 74	P002									
P 74	296.00	4617.80	.00	10.330	.000	12.20	.80	11.50	49.00	82.00
SOURCE NO. 75	PHILLIPS PETROLEUM PHILBLACK PLT B001									
P 75	293.90	4616.70	.00	6.000	.000	41.20	2.30	19.90	454.00	.00
SOURCE NO. 76	B002									
P 76	293.90	4616.70	.00	6.000	.000	41.20	2.30	19.90	454.00	.00
SOURCE NO. 77	B003									
P 77	293.90	4616.70	.00	.850	.000	41.20	.90	21.10	427.00	.00
SOURCE NO. 78	B004									
P 78	293.90	4616.70	.00	.850	.000	41.20	.90	21.10	427.00	.00

CDMI VERSION 78130. RUN 12

SOURCE INPUT

ID	X(M)	Y(M)	TA(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG)	SA(M**2/SEC)
SOURCE NO. 79 B001										
P 79	293.90	4616.70	.00	13.800	.000	41.20	2.30	19.90	454.00	.00
SOURCE NO. 80 AMERICAN MOTORS JEEP CORP B001										
P 80	285.70	4617.60	.00	19.130	.000	68.60	4.30	2.50	177.00	.00
SOURCE NO. 81 B002										
P 81	290.70	4617.60	.00	19.130	.000	68.60	4.30	2.50	177.00	.00
SOURCE NO. 82 B003										
P 82	286.70	4617.60	.00	8.830	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 83 B004										
P 83	285.71	4617.60	.00	8.830	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 84 B005										
P 84	290.70	4617.60	.00	8.830	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 85 B006										
P 85	286.70	4617.60	.00	8.830	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 86 B007										
P 86	290.70	4617.60	.00	8.830	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 87 B008										
P 87	286.70	4617.60	.00	8.830	.000	62.50	3.40	2.50	143.00	.00
SOURCE NO. 88 B009										
P 88	286.70	4617.60	.00	2.010	.000	62.50	2.60	2.20	177.00	.00
SOURCE NO. 89 B010										
P 89	290.70	4617.60	.00	2.010	.000	62.50	2.60	2.20	177.00	.00
SOURCE NO. 90 TOLEDO DENTAL HOSPITAL B001										
P 90	283.10	4610.60	.00	3.100	.000	27.40	1.10	12.30	260.00	.00
SOURCE NO. 91 B002										
P 91	288.10	4610.60	.00	8.300	.000	27.40	1.50	1.00	260.00	.00
SOURCE NO. 92 B003										
P 92	288.10	4610.60	.00	8.300	.000	27.40	1.50	1.00	260.00	.00
SOURCE NO. 93 INTERLAKE B001										
P 93	292.80	4616.10	.00	3.370	.000	36.60	3.10	9.80	204.00	.00
SOURCE NO. 94 B002										
P 94	292.80	4616.10	.00	3.370	.000	36.60	3.10	9.80	204.00	.00
SOURCE NO. 95 B003										
P 95	292.80	4616.10	.00	3.370	.000	36.60	3.10	9.80	204.00	.00
SOURCE NO. 96 P003										
P 96	292.80	4616.10	.00	2.210	.000	61.00	2.30	10.00	204.00	.00
SOURCE NO. 97 N001										
P 97	288.20	4615.20	.00	.100	.000	19.80	1.50	2.30	71.00	.00
SOURCE NO. 98 ALLIED CHEMICAL PLASTICS DIVISION B001										
P 98	282.20	4609.70	.00	2.350	.000	45.70	2.10	1.00	288.00	.00
SOURCE NO. 99 B002										
P 99	282.20	4609.70	.00	2.350	.000	45.70	2.10	1.00	288.00	.00
SOURCE NO. 100 B003										
P 100	282.20	4609.70	.00	7.340	.000	45.70	2.10	1.00	288.00	.00
SOURCE NO. 101 GENERAL MILLS B001										
P 101	285.80	4620.50	.00	1.340	.000	12.20	1.00	3.00	232.00	.00
SOURCE NO. 102 B002										
P 102	285.80	4620.50	.00	1.340	.000	12.20	1.00	3.00	232.00	.00
SOURCE NO. 103 B003										
P 103	285.80	4620.50	.00	1.340	.000	12.20	1.00	3.00	232.00	.00
SOURCE NO. 104 DOEHLER-JARVIS DIVISION B001										
P 104	288.80	4620.40	.00	.410	.000	34.70	1.80	5.00	310.00	.00

	X(M)	Y(M)	TA(M)	SO2(GM/SEC)	NOx(GM/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG)	SA(M**2/SEC)
SOURCE NO. 104 B002										
P 104	288.40	4620.90	.00	.410	.000	34.70	1.80	5.00	310.00	.00
SOURCE NO. 105 B003										
P 105	288.30	4620.90	.00	1.720	.000	15.20	.60	5.00	327.00	.00
SOURCE NO. 107 B004										
P 107	288.20	4620.90	.00	1.990	.000	15.20	.80	5.00	242.00	.00
SOURCE NO. 108 AMERICAN MOTORS JEEP CORP B001										
P 108	290.00	4620.50	.00	1.930	.000	65.50	2.40	2.40	177.00	.00
SOURCE NO. 109 B002										
P 109	290.00	4620.50	.00	1.930	.000	65.50	2.40	2.40	177.00	.00
SOURCE NO. 110 TOLEDO HOSPITAL B001										
P 110	288.40	4616.50	.00	.770	.000	53.30	1.80	3.00	177.00	.00
SOURCE NO. 111 B002										
P 111	288.40	4616.50	.00	.770	.000	53.30	1.80	3.00	177.00	.00
SOURCE NO. 112 B004										
P 112	288.30	4616.50	.00	.300	.000	53.30	1.80	3.00	177.00	.00
SOURCE NO. 113 CITY AUTO STAMPING B001										
P 113	288.60	4620.50	.00	.700	.000	41.20	1.90	3.00	177.00	.00
SOURCE NO. 114 B002										
P 114	288.60	4620.50	.00	.780	.000	41.20	1.90	3.00	177.00	.00
SOURCE NO. 115 B003										
P 115	288.60	4620.50	.00	.790	.000	41.20	1.90	3.00	177.00	.00
SOURCE NO. 116 MERCY HOSPITAL B001										
P 116	287.50	4614.80	.00	.480	.000	30.50	2.00	4.00	177.00	.00
SOURCE NO. 117 B002										
P 117	287.50	4614.80	.00	.480	.000	30.50	2.00	4.00	177.00	.00
SOURCE NO. 118 B003										
P 118	287.50	4614.80	.00	.480	.000	30.50	2.00	4.00	177.00	.00
SOURCE NO. 119 NABISCO INC FLOUR MILL B001										
P 119	292.20	4615.60	.00	.130	.000	41.20	2.10	4.00	191.00	.00
SOURCE NO. 120 B002										
P 120	292.20	4615.60	.00	.130	.000	41.20	2.10	4.00	191.00	.00
SOURCE NO. 121 B003										
P 121	292.20	4615.60	.00	.130	.000	41.20	2.10	4.00	191.00	.00
SOURCE NO. 122 B004										
P 122	292.20	4615.60	.00	.130	.000	41.20	2.10	4.00	191.00	.00
SOURCE NO. 123 NORTHERN OIL ASPHALT P001										
P 123	272.20	4615.60	.00	.210	.000	15.20	2.70	4.00	82.00	.00
SOURCE NO. 124 SENECA PETROLEUM B001										
P 124	290.70	4611.80	.00	.270	.000	9.10	.60	4.00	427.00	.00
SOURCE NO. 125 BOWLING GREEN STATE UNIV										
P 125	282.00	4587.40	.00	33.300	.000	30.50	2.00	10.00	177.00	.00
SOURCE NO. 126 CONSOL PACKING 1921 E FIRST ST MONROE MICH										
P 126	302.00	4638.00	.00	65.600	.000	29.00	2.60	5.00	232.00	.00
SOURCE NO. 127 J R WHITING PLANT 4525 ERIE RD LUNA PIER										
P 127	297.50	4631.00	.00	126.400	.000	90.50	3.30	5.00	135.00	.00
SOURCE NO. 128 J R WHITING										
P 128	297.50	4631.00	.00	126.400	.000	90.50	3.30	5.00	135.00	.00
SOURCE NO. 129 J R WHITING										
P 129	297.50	4631.00	.00	126.400	.000	90.50	3.30	5.00	135.00	.00
SOURCE NO. 130 MONROE MFG 3200 EAST ELM MONROE MICH										
P 130	300.00	4638.20	.00	15.500	.000	52.20	3.10	5.00	177.00	.00

SOURCE INPUT

ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG)	SA(M**2/SEC)
SOURCE NO. 131	MONROE POWER PLANT 3500 E FRONT ST MONROE MICH									
P 131	303.00	4638.20	.00	2784.500	.000	243.80	8.50	9.10	116.00	.00
SOURCE NO. 132	MONROE P P									
P 132	303.00	4638.20	.00	2784.500	.000	243.80	8.50	9.10	116.00	.00
SOURCE NO. 133	UNION CAMP 1109 EAST ELM AVE MONROE MICH									
P 133	301.50	4637.00	.00	42.400	.000	44.50	2.00	5.00	196.00	.00
SOURCE NO. 134	SUN OIL COMPANY CRACKING UNITS 8037,									
P 134	291.50	4611.80	.00	1.300	.000	45.70	2.10	11.10	319.00	.00
SOURCE NO. 135	8038									
P 135	291.50	4611.80	.00	1.300	.000	45.70	2.10	11.10	319.00	.00
SOURCE NO. 136	8039									
P 136	291.50	4611.80	.00	1.300	.000	45.70	2.10	11.10	319.00	.00
SOURCE NO. 137	8040									
P 137.	291.50	4611.80	.00	1.710	.000	45.70	2.10	11.10	319.00	.00
SOURCE NO. 138	8041									
P 138	291.50	4611.80	.00	6.340	.000	16.00	1.20	15.10	338.00	.00
SOURCE NO. 139	8042									
P 139	291.50	4611.80	.00	7.720	.000	16.70	1.20	22.20	379.00	.00
SOURCE NO. 140	LIBEY OWENS FORD, 8001.2									
P 140	291.00	4610.00	.00	.140	.000	83.80	2.10	5.30	234.00	.00
SOURCE NO. 141	LIBEY OWENS FORD ?, 8003									
P 141	291.00	4610.00	.00	.140	.000	54.90	2.40	5.30	234.00	.00
SOURCE NO. 142	LIBEY OWENS FORD ?, BOILER D									
P 142	286.90	4609.80	.00	8.870	.000	27.00	2.60	1.40	234.00	.00
SOURCE NO. 143	LIBEY OWENS FORD ?, BOILER E									
P 143	286.90	4609.80	.00	11.350	.000	27.20	2.60	1.60	177.00	.00
SOURCE NO. 144	LIBEY OWENS FORD ?, BOILER F									
P 144	286.90	4609.80	.00	13.070	.000	29.90	2.40	1.80	235.00	.00

@ADD,P PSBML874.

COMI VERSION 78130. MON 12

SOURCE INPUT

	ID	X(KM)	Y(KM)	Z(M)	SH2(G/SEC)	TS(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	2	255.00	4580.00	10000.00	1.500	.000	20.00	.00	.00	.00	.00
A	3	255.00	4600.00	10000.00	2.320	.000	20.00	.00	.00	.00	.00
A	4	260.00	4560.00	10000.00	.570	.000	20.00	.00	.00	.00	.00
A	5	260.00	4570.00	10000.00	.770	.000	20.00	.00	.00	.00	.00
A	6	260.00	4580.00	5000.00	.370	.000	20.00	.00	.00	.00	.00
A	7	260.00	4585.00	2500.00	.300	.000	20.00	.00	.00	.00	.00
A	8	260.00	4587.50	2500.00	.020	.000	20.00	.00	.00	.00	.00
A	9	260.00	4610.00	5000.00	.500	.000	20.00	.00	.00	.00	.00
A	10	260.00	4615.00	5000.00	.630	.000	20.00	.00	.00	.00	.00
A	11	260.00	4620.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	12	262.50	4620.00	2500.00	.200	.000	20.00	.00	.00	.00	.00
A	13	265.00	4580.00	5000.00	.700	.000	20.00	.00	.00	.00	.00
A	14	265.00	4590.00	5000.00	.070	.000	20.00	.00	.00	.00	.00
A	15	265.00	4595.00	5000.00	2.100	.000	20.00	.00	.00	.00	.00
A	16	265.00	4600.00	5000.00	.670	.000	20.00	.00	.00	.00	.00
A	17	265.00	4605.00	5000.00	1.690	.000	20.00	.00	.00	.00	.00
A	18	265.00	4610.00	5000.00	2.710	.000	20.00	.00	.00	.00	.00
A	19	265.00	4615.00	5000.00	.370	.000	20.00	.00	.00	.00	.00
A	20	265.00	4620.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	21	267.50	4620.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	22	270.00	4560.00	10000.00	2.260	.000	20.00	.00	.00	.00	.00
A	23	270.00	4570.00	10000.00	1.500	.000	20.00	.00	.00	.00	.00
A	24	270.00	4580.00	5000.00	.300	.000	20.00	.00	.00	.00	.00
A	25	270.00	4585.00	5000.00	.270	.000	20.00	.00	.00	.00	.00
A	26	270.00	4590.00	5000.00	.850	.000	20.00	.00	.00	.00	.00
A	27	270.00	4595.00	5000.00	2.350	.000	20.00	.00	.00	.00	.00
A	28	270.00	4600.00	5000.00	.620	.000	20.00	.00	.00	.00	.00
A	29	270.00	4605.00	5000.00	.880	.000	20.00	.00	.00	.00	.00
A	30	270.00	4610.00	5000.00	2.830	.000	20.00	.00	.00	.00	.00
A	31	270.00	4615.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A	32	270.00	4617.50	2500.00	1.000	.000	20.00	.00	.00	.00	.00
A	33	270.00	4620.00	3000.00	.200	.000	20.00	.00	.00	.00	.00
A	34	270.00	4623.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	35	270.00	4625.00	5000.00	.130	.000	20.00	.00	.00	.00	.00
A	36	270.00	4630.00	5000.00	.570	.000	20.00	.00	.00	.00	.00
A	37	270.00	4635.00	10000.00	1.900	.000	20.00	.00	.00	.00	.00
A	38	270.00	4645.00	10000.00	1.980	.000	20.00	.00	.00	.00	.00
A	39	270.00	4655.00	10000.00	1.430	.000	20.00	.00	.00	.00	.00
A	40	272.00	4623.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	41	272.50	4615.00	2500.00	.840	.000	20.00	.00	.00	.00	.00
A	42	272.50	4617.50	2500.00	1.900	.000	20.00	.00	.00	.00	.00
A	43	273.00	4620.00	3000.00	5.290	.000	20.00	.00	.00	.00	.00
A	44	274.00	4623.00	2000.00	.000	.000	20.00	.00	.00	.00	.00
A	45	275.00	4583.00	2000.00	.350	.000	20.00	.00	.00	.00	.00
A	46	275.00	4585.00	2500.00	1.520	.000	20.00	.00	.00	.00	.00
A	47	275.00	4590.00	5000.00	.500	.000	20.00	.00	.00	.00	.00
A	48	275.00	4595.00	5000.00	.640	.000	20.00	.00	.00	.00	.00
A	49	275.00	4600.00	2000.00	.190	.000	20.00	.00	.00	.00	.00
A	50	275.00	4603.00	2000.00	.200	.000	20.00	.00	.00	.00	.00
A	51	275.00	4605.00	3000.00	.240	.000	20.00	.00	.00	.00	.00
A	52	275.00	4608.00	2000.00	.300	.000	20.00	.00	.00	.00	.00

A	53	277.00	4616.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	54	277.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	55	277.00	4612.00	1000.00	1.000	.000	20.00	.00	.00	.00	.00
A	56	277.00	4613.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	57	277.00	4614.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	58	277.00	4615.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	59	277.00	4616.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	60	277.00	4617.00	1000.00	3.000	.000	20.00	.00	.00	.00	.00
A	61	277.00	4625.00	5000.00	.010	.000	20.00	.00	.00	.00	.00
A	62	278.00	4630.00	5000.00	.010	.000	20.00	.00	.00	.00	.00
A	63	278.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	64	278.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	65	278.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	66	278.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	67	278.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	68	278.00	4614.00	1000.00	1.210	.000	20.00	.00	.00	.00	.00
A	69	278.00	4615.00	1000.00	1.030	.000	20.00	.00	.00	.00	.00
A	70	278.00	4616.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	71	278.00	4620.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	72	278.00	4621.00	2000.00	2.000	.000	20.00	.00	.00	.00	.00
A	73	278.00	4623.00	2000.00	.010	.000	20.00	.00	.00	.00	.00
A	74	277.00	4555.00	1000.00	1.000	.000	20.00	.00	.00	.00	.00
A	75	277.00	4554.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	76	277.00	4555.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	77	277.00	4553.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	78	277.00	4554.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	79	277.00	4555.00	2000.00	1.310	.000	20.00	.00	.00	.00	.00
A	80	277.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	81	277.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	82	277.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	83	277.00	4613.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	84	277.00	4614.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	85	277.00	4615.00	1000.00	1.700	.000	20.00	.00	.00	.00	.00
A	86	277.00	4616.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	87	277.00	4620.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	88	277.00	4585.00	2500.00	2.370	.000	20.00	.00	.00	.00	.00
A	89	277.00	4587.00	2500.00	.210	.000	20.00	.00	.00	.00	.00
A	90	278.00	4582.00	1000.00	.510	.000	20.00	.00	.00	.00	.00
A	91	278.00	4583.00	1000.00	5.770	.000	20.00	.00	.00	.00	.00
A	92	278.00	4604.00	2000.00	2.790	.000	20.00	.00	.00	.00	.00
A	93	278.00	4605.00	2000.00	2.790	.000	20.00	.00	.00	.00	.00
A	94	278.00	4610.00	1000.00	.570	.000	20.00	.00	.00	.00	.00
A	95	278.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	96	278.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	97	278.00	4613.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	98	278.00	4614.00	1000.00	1.250	.000	20.00	.00	.00	.00	.00
A	99	278.00	4615.00	1000.00	.630	.000	20.00	.00	.00	.00	.00
A	100	278.00	4616.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	101	278.00	4617.00	1000.00	.170	.000	20.00	.00	.00	.00	.00
A	102	278.00	4618.00	1000.00	2.170	.000	20.00	.00	.00	.00	.00
A	103	278.00	4619.00	1000.00	2.070	.000	20.00	.00	.00	.00	.00

CDMI VERSION 76130. RUN 12

SOURCE INPUT

	ID	X(KM)	Y(KM)	Z(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG)	SA(M**2/SEC)
A	104	278.00	4620.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	105	278.00	4621.00	1000.00	.270	.000	20.00	.00	.00	.00	.00
A	106	278.00	4622.00	1000.00	.490	.000	20.00	.00	.00	.00	.00
A	107	278.00	4623.00	2000.00	.550	.000	20.00	.00	.00	.00	.00
A	108	279.00	4582.00	1000.00	.200	.000	20.00	.00	.00	.00	.00
A	109	279.00	4584.00	1000.00	.580	.000	20.00	.00	.00	.00	.00
A	110	279.00	4603.00	1000.00	1.930	.000	20.00	.00	.00	.00	.00
A	111	279.00	4608.00	2000.00	3.100	.000	20.00	.00	.00	.00	.00
A	112	279.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	113	279.00	4611.00	1000.00	.770	.000	20.00	.00	.00	.00	.00
A	114	279.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	115	279.00	4613.00	1000.00	.300	.000	20.00	.00	.00	.00	.00
A	116	279.00	4614.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	117	279.00	4615.00	1000.00	1.130	.000	20.00	.00	.00	.00	.00
A	118	279.00	4616.00	1000.00	.580	.000	20.00	.00	.00	.00	.00
A	119	279.00	4617.00	1000.00	.690	.000	20.00	.00	.00	.00	.00
A	120	279.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	121	279.00	4619.00	1000.00	1.200	.000	20.00	.00	.00	.00	.00
A	122	279.00	4620.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	123	279.00	4621.00	1000.00	.790	.000	20.00	.00	.00	.00	.00
A	124	279.00	4622.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	125	280.00	4558.00	10000.00	1.080	.000	20.00	.00	.00	.00	.00
A	126	280.00	4570.00	10000.00	.490	.000	20.00	.00	.00	.00	.00
A	127	280.00	4580.00	10000.00	.410	.000	20.00	.00	.00	.00	.00
A	128	280.00	4590.00	10000.00	1.730	.000	20.00	.00	.00	.00	.00
A	129	280.00	4600.00	5000.00	5.180	.000	20.00	.00	.00	.00	.00
A	130	280.00	4605.00	1000.00	.530	.000	20.00	.00	.00	.00	.00
A	131	280.00	4606.00	2000.00	5.730	.000	20.00	.00	.00	.00	.00
A	132	280.00	4610.00	1000.00	.570	.000	20.00	.00	.00	.00	.00
A	133	280.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	134	280.00	4612.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	135	280.00	4613.00	1000.00	1.980	.000	20.00	.00	.00	.00	.00
A	136	280.00	4614.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	137	280.00	4615.00	1000.00	.900	.000	20.00	.00	.00	.00	.00
A	138	280.00	4616.00	1000.00	1.340	.000	20.00	.00	.00	.00	.00
A	139	280.00	4617.00	1000.00	.690	.000	20.00	.00	.00	.00	.00
A	140	280.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	141	280.00	4619.00	1000.00	2.990	.000	20.00	.00	.00	.00	.00
A	142	280.00	4620.00	1000.00	.760	.000	20.00	.00	.00	.00	.00
A	143	280.00	4621.00	1000.00	2.180	.000	20.00	.00	.00	.00	.00
A	144	280.00	4622.00	1000.00	1.670	.000	20.00	.00	.00	.00	.00
A	145	280.00	4623.00	1000.00	.380	.000	20.00	.00	.00	.00	.00
A	146	280.00	4624.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A	147	280.00	4625.00	5000.00	2.670	.000	20.00	.00	.00	.00	.00
A	148	280.00	4630.00	5000.00	.910	.000	20.00	.00	.00	.00	.00
A	149	280.00	4635.00	10000.00	1.590	.000	20.00	.00	.00	.00	.00
A	150	280.00	4645.00	10000.00	1.780	.000	20.00	.00	.00	.00	.00
A	151	280.00	4655.00	10000.00	1.080	.000	20.00	.00	.00	.00	.00
A	152	281.00	4605.00	1000.00	1.400	.000	20.00	.00	.00	.00	.00
A	153	281.00	4608.00	2000.00	6.600	.000	20.00	.00	.00	.00	.00
A	154	281.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00

	I	A(M**2)	Y(M)	DX(M)	DV(M/SEC)	U(M)	V(M)	VS(M/SEC)	TS(DEG)	SA(M**2/SEC)
A	155	241.00	4611.00	1000.00	.330	.000	20.00	.00	.00	.00
A	156	241.00	4612.00	1000.00	.910	.000	20.00	.00	.00	.00
A	157	241.00	4613.00	1000.00	.780	.000	20.00	.00	.00	.00
A	158	241.00	4614.00	1000.00	.810	.000	20.00	.00	.00	.00
A	159	241.00	4615.00	1000.00	1.170	.000	20.00	.00	.00	.00
A	160	241.00	4616.00	1000.00	.830	.000	20.00	.00	.00	.00
A	161	241.00	4617.00	1000.00	1.140	.000	20.00	.00	.00	.00
A	162	241.00	4618.00	1000.00	.810	.000	20.00	.00	.00	.00
A	163	241.00	4619.00	1000.00	.900	.000	20.00	.00	.00	.00
A	164	241.00	4620.00	1000.00	1.080	.000	20.00	.00	.00	.00
A	165	241.00	4621.00	1000.00	.630	.000	20.00	.00	.00	.00
A	166	241.00	4622.00	1000.00	1.140	.000	20.00	.00	.00	.00
A	167	241.00	4623.00	1000.00	.270	.000	20.00	.00	.00	.00
A	168	241.00	4624.00	1000.00	1.350	.000	20.00	.00	.00	.00
A	169	242.00	4605.00	1000.00	.810	.000	20.00	.00	.00	.00
A	170	242.00	4606.00	1000.00	.810	.000	20.00	.00	.00	.00
A	171	242.00	4607.00	1000.00	1.260	.000	20.00	.00	.00	.00
A	172	242.00	4608.00	1000.00	1.500	.000	20.00	.00	.00	.00
A	173	242.00	4611.00	1000.00	.990	.000	20.00	.00	.00	.00
A	174	242.00	4612.00	1000.00	.810	.000	20.00	.00	.00	.00
A	175	242.00	4613.00	1000.00	1.350	.000	20.00	.00	.00	.00
A	176	242.00	4614.00	1000.00	1.134	.000	20.00	.00	.00	.00
A	177	242.00	4615.00	1000.00	1.422	.000	20.00	.00	.00	.00
A	178	242.00	4616.00	1000.00	2.412	.000	20.00	.00	.00	.00
A	179	242.00	4617.00	1000.00	2.214	.000	20.00	.00	.00	.00
A	180	242.00	4618.00	1000.00	2.304	.000	20.00	.00	.00	.00
A	181	242.00	4619.00	1000.00	1.422	.000	20.00	.00	.00	.00
A	182	242.00	4620.00	1000.00	1.512	.000	20.00	.00	.00	.00
A	183	242.00	4621.00	1000.00	.576	.000	20.00	.00	.00	.00
A	184	242.00	4622.00	1000.00	1.422	.000	20.00	.00	.00	.00
A	185	242.00	4623.00	2000.00	.360	.000	20.00	.00	.00	.00
A	186	243.00	4605.00	2000.00	.405	.000	20.00	.00	.00	.00
A	187	243.00	4607.00	1000.00	.810	.000	20.00	.00	.00	.00
A	188	243.00	4608.00	2000.00	3.300	.000	20.00	.00	.00	.00
A	189	243.00	4610.00	1000.00	.432	.000	20.00	.00	.00	.00
A	190	243.00	4611.00	1000.00	2.000	.000	20.00	.00	.00	.00
A	191	243.00	4612.00	1000.00	.405	.000	20.00	.00	.00	.00
A	192	243.00	4613.00	1000.00	.648	.000	20.00	.00	.00	.00
A	193	243.00	4614.00	1000.00	1.458	.000	20.00	.00	.00	.00
A	194	243.00	4615.00	1000.00	.810	.000	20.00	.00	.00	.00
A	195	243.00	4616.00	1000.00	2.268	.000	20.00	.00	.00	.00
A	196	243.00	4617.00	1000.00	1.746	.000	20.00	.00	.00	.00
A	197	243.00	4618.00	1000.00	2.988	.000	20.00	.00	.00	.00
A	198	243.00	4619.00	1000.00	3.402	.000	20.00	.00	.00	.00
A	199	243.00	4620.00	1000.00	2.430	.000	20.00	.00	.00	.00
A	200	243.00	4621.00	1000.00	1.242	.000	20.00	.00	.00	.00
A	201	243.00	4622.00	1000.00	1.818	.000	20.00	.00	.00	.00
A	202	244.00	4610.00	1000.00	1.404	.000	20.00	.00	.00	.00
A	203	244.00	4611.00	1000.00	2.610	.000	20.00	.00	.00	.00
A	204	244.00	4612.00	1000.00	1.080	.000	20.00	.00	.00	.00
A	205	244.00	4613.00	1000.00	.540	.000	20.00	.00	.00	.00

SOURCE INPUT ID	X(M)	Y(M)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DG)	SA(M**2/SEC)
A 206	284.00	4614.00	1000.00	4.150	.000	20.00	.00	.00	.00	.00
A 207	284.00	4615.00	1000.00	2.770	.000	20.00	.00	.00	.00	.00
A 208	284.00	4616.00	1000.00	1.550	.000	20.00	.00	.00	.00	.00
A 209	284.00	4617.00	1000.00	2.780	.000	20.00	.00	.00	.00	.00
A 210	284.00	4618.00	1000.00	1.870	.000	20.00	.00	.00	.00	.00
A 211	284.00	4619.00	1000.00	.810	.000	20.00	.00	.00	.00	.00
A 212	284.00	4620.00	1000.00	1.200	.000	20.00	.00	.00	.00	.00
A 213	284.00	4621.00	2000.00	2.850	.000	20.00	.00	.00	.00	.00
A 214	284.00	4623.00	1000.00	1.110	.000	20.00	.00	.00	.00	.00
A 215	284.00	4624.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 216	285.00	4607.00	1000.00	.650	.000	20.00	.00	.00	.00	.00
A 217	285.00	4608.00	2000.00	2.640	.000	20.00	.00	.00	.00	.00
A 218	285.00	4609.00	1000.00	1.040	.000	20.00	.00	.00	.00	.00
A 219	285.00	4611.00	1000.00	1.420	.000	20.00	.00	.00	.00	.00
A 220	285.00	4612.00	1000.00	1.850	.000	20.00	.00	.00	.00	.00
A 221	285.00	4613.00	1000.00	4.180	.000	20.00	.00	.00	.00	.00
A 222	285.00	4614.00	1000.00	3.720	.000	20.00	.00	.00	.00	.00
A 223	285.00	4615.00	1000.00	1.750	.000	20.00	.00	.00	.00	.00
A 224	285.00	4616.00	1000.00	1.420	.000	20.00	.00	.00	.00	.00
A 225	285.00	4617.00	1000.00	.040	.000	20.00	.00	.00	.00	.00
A 226	285.00	4618.00	1000.00	4.350	.000	20.00	.00	.00	.00	.00
A 227	285.00	4619.00	1000.00	4.500	.000	20.00	.00	.00	.00	.00
A 228	285.00	4620.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A 229	285.00	4623.00	1000.00	.290	.000	20.00	.00	.00	.00	.00
A 230	285.00	4624.00	1000.00	.050	.000	20.00	.00	.00	.00	.00
A 231	285.00	4625.00	5000.00	2.290	.000	20.00	.00	.00	.00	.00
A 232	286.00	4620.00	5000.00	.750	.000	20.00	.00	.00	.00	.00
A 233	286.00	4618.00	2000.00	.070	.000	20.00	.00	.00	.00	.00
A 234	286.00	4607.00	1000.00	.000	.000	20.00	.00	.00	.00	.00
A 235	286.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A 236	286.00	4611.00	1000.00	3.970	.000	20.00	.00	.00	.00	.00
A 237	286.00	4612.00	1000.00	1.900	.000	20.00	.00	.00	.00	.00
A 238	286.00	4613.00	1000.00	5.140	.000	20.00	.00	.00	.00	.00
A 239	286.00	4614.00	1000.00	4.350	.000	20.00	.00	.00	.00	.00
A 240	286.00	4615.00	1000.00	2.580	.000	20.00	.00	.00	.00	.00
A 241	286.00	4616.00	1000.00	2.800	.000	20.00	.00	.00	.00	.00
A 242	286.00	4617.00	1000.00	1.150	.000	20.00	.00	.00	.00	.00
A 243	286.00	4618.00	1000.00	2.100	.000	20.00	.00	.00	.00	.00
A 244	286.00	4619.00	1000.00	2.600	.000	20.00	.00	.00	.00	.00
A 245	286.00	4620.00	1000.00	1.140	.000	20.00	.00	.00	.00	.00
A 246	286.00	4621.00	2000.00	2.480	.000	20.00	.00	.00	.00	.00
A 247	286.00	4623.00	2000.00	.050	.000	20.00	.00	.00	.00	.00
A 248	287.00	4606.00	2000.00	1.600	.000	20.00	.00	.00	.00	.00
A 249	287.00	4610.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A 250	287.00	4611.00	1000.00	3.410	.000	20.00	.00	.00	.00	.00
A 251	287.00	4612.00	1000.00	2.450	.000	20.00	.00	.00	.00	.00
A 252	287.00	4613.00	1000.00	1.820	.000	20.00	.00	.00	.00	.00
A 253	287.00	4614.00	1000.00	2.810	.000	20.00	.00	.00	.00	.00
A 254	287.00	4615.00	1000.00	4.070	.000	20.00	.00	.00	.00	.00
A 255	287.00	4616.00	1000.00	5.150	.000	20.00	.00	.00	.00	.00
A 256	287.00	4617.00	1000.00	3.700	.000	20.00	.00	.00	.00	.00

CDMI VERSION /0130. RUN 12

SOURCE	INPUT ID	X(KM)	Y(KM)	TA(K)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	257	287.00	4618.00	1000.00	1.410	.000	20.00	.00	.00	.00	.00
A	258	287.00	4619.00	1000.00	2.370	.000	20.00	.00	.00	.00	.00
A	259	287.00	4620.00	1000.00	1.190	.000	20.00	.00	.00	.00	.00
A	260	288.00	4605.00	2000.00	.200	.000	20.00	.00	.00	.00	.00
A	261	288.00	4607.00	1000.00	.390	.000	20.00	.00	.00	.00	.00
A	262	288.00	4610.00	1000.00	.470	.000	20.00	.00	.00	.00	.00
A	263	288.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	264	288.00	4612.00	1000.00	1.400	.000	20.00	.00	.00	.00	.00
A	265	288.00	4613.00	1000.00	.210	.000	20.00	.00	.00	.00	.00
A	266	288.00	4614.00	1000.00	1.720	.000	20.00	.00	.00	.00	.00
A	267	288.00	4615.00	1000.00	4.180	.000	20.00	.00	.00	.00	.00
A	268	288.00	4616.00	1000.00	2.670	.000	20.00	.00	.00	.00	.00
A	269	288.00	4617.00	1000.00	3.870	.000	20.00	.00	.00	.00	.00
A	270	288.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	271	288.00	4619.00	4000.00	3.100	.000	20.00	.00	.00	.00	.00
A	272	288.00	4623.00	2000.00	.700	.000	20.00	.00	.00	.00	.00
A	273	289.00	4610.00	1000.00	1.680	.000	20.00	.00	.00	.00	.00
A	274	289.00	4611.00	1000.00	1.350	.000	20.00	.00	.00	.00	.00
A	275	289.00	4612.00	1000.00	3.000	.000	20.00	.00	.00	.00	.00
A	276	289.00	4613.00	1000.00	.910	.000	20.00	.00	.00	.00	.00
A	277	289.00	4614.00	1000.00	1.980	.000	20.00	.00	.00	.00	.00
A	278	289.00	4615.00	1000.00	2.200	.000	20.00	.00	.00	.00	.00
A	279	289.00	4616.00	1000.00	3.860	.000	20.00	.00	.00	.00	.00
A	280	289.00	4617.00	1000.00	2.460	.000	20.00	.00	.00	.00	.00
A	281	289.00	4618.00	1000.00	.470	.000	20.00	.00	.00	.00	.00
A	282	290.00	4560.00	10000.00	1.350	.000	20.00	.00	.00	.00	.00
A	283	290.00	4570.00	10000.00	2.640	.000	20.00	.00	.00	.00	.00
A	284	290.00	4580.00	10000.00	1.440	.000	20.00	.00	.00	.00	.00
A	285	290.00	4590.00	10000.00	2.540	.000	20.00	.00	.00	.00	.00
A	286	290.00	4600.00	5000.00	.620	.000	20.00	.00	.00	.00	.00
A	287	290.00	4605.00	2500.00	1.910	.000	20.00	.00	.00	.00	.00
A	288	290.00	4607.50	2500.00	.200	.000	20.00	.00	.00	.00	.00
A	289	290.00	4610.00	1000.00	1.700	.000	20.00	.00	.00	.00	.00
A	290	290.00	4611.00	1000.00	3.640	.000	20.00	.00	.00	.00	.00
A	291	290.00	4612.00	1000.00	3.530	.000	20.00	.00	.00	.00	.00
A	292	290.00	4613.00	1000.00	2.350	.000	20.00	.00	.00	.00	.00
A	293	290.00	4614.00	1000.00	.390	.000	20.00	.00	.00	.00	.00
A	294	290.00	4615.00	1000.00	2.730	.000	20.00	.00	.00	.00	.00
A	295	290.00	4616.00	1000.00	.500	.000	20.00	.00	.00	.00	.00
A	296	290.00	4617.00	1000.00	1.090	.000	20.00	.00	.00	.00	.00
A	297	290.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	298	290.00	4623.00	2000.00	.420	.000	20.00	.00	.00	.00	.00
A	299	290.00	4625.00	5000.00	1.450	.000	20.00	.00	.00	.00	.00
A	300	290.00	4630.00	5000.00	.430	.000	20.00	.00	.00	.00	.00
A	301	290.00	4635.00	5000.00	.970	.000	20.00	.00	.00	.00	.00
A	302	290.00	4640.00	5000.00	.150	.000	20.00	.00	.00	.00	.00
A	303	290.00	4645.00	10000.00	1.900	.000	20.00	.00	.00	.00	.00
A	304	290.00	4655.00	10000.00	1.320	.000	20.00	.00	.00	.00	.00
A	305	291.00	4610.00	1000.00	.660	.000	20.00	.00	.00	.00	.00
A	306	291.00	4611.00	1000.00	.540	.000	20.00	.00	.00	.00	.00
A	307	291.00	4612.00	1000.00	2.260	.000	20.00	.00	.00	.00	.00

A	306	240.00	4655.00	1000.00	1.440	.000	20.00	.00	.00	.00	.00
A	307	241.00	4650.00	1000.00	.720	.000	20.00	.00	.00	.00	.00
A	308	241.00	4651.00	1000.00	.360	.000	20.00	.00	.00	.00	.00
A	309	241.00	4651.00	1000.00	.180	.000	20.00	.00	.00	.00	.00

COMI VERSION 7.130. RUN 12

SOURCE INPUT

	ID	X(KM)	Y(KM)	H(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	DIA(M)	VS(M/SEC)	TS(DEG)	SA(KM**2/SEC)	
A	308	241.00	4613.00	1000.00	1.440	.000	20.00	.00	.00	.00	.00	
A	309	29..00	4614.00	1000.00	1.080	.000	20.00	.00	.00	.00	.00	
A	310	241.00	4615.00	1000.00	.720	.000	20.00	.00	.00	.00	.00	
A	311	241.00	4616.00	1000.00	1.080	.000	20.00	.00	.00	.00	.00	
A	312	241.00	4617.00	1000.00	.360	.000	20.00	.00	.00	.00	.00	
A	313	241.00	4618.00	1000.00	.180	.000	20.00	.00	.00	.00	.00	
A	314	242.00	4618.00	1000.00	.360	.000	20.00	.00	.00	.00	.00	

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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A 284	[illegible]	[illegible]	10000.00	1.410	.000	20.00	.00	.00	.00	.00
A 285	[illegible]	[illegible]	10000.00	[illegible]	.000	20.00	.00	.00	.00	.00
A 286	[illegible]	[illegible]	5000.00	[illegible]	.000	20.00	.00	.00	.00	.00
A 287	290.00	4605.00	2500.00	1.410	.000	20.00	.00	.00	.00	.00
A 288	[illegible]	4607.00	2500.00	.200	.000	20.00	.00	.00	.00	.00
A 289	[illegible]	4610.00	1000.00	1.700	.000	20.00	.00	.00	.00	.00
A 290	290.00	4611.00	1000.00	3.620	.000	20.00	.00	.00	.00	.00
A 291	[illegible]	4612.00	1000.00	[illegible]	.000	20.00	.00	.00	.00	.00
A 292	[illegible]	[illegible]	1000.00	[illegible]	.000	20.00	.00	.00	.00	.00
A 293	290.00	4614.00	1000.00	[illegible]	.000	20.00	.00	.00	.00	.00
A 294	290.00	4615.00	1000.00	2.730	.000	20.00	.00	.00	.00	.00
A 295	290.00	4616.00	1000.00	.980	.000	20.00	.00	.00	.00	.00
A 296	290.00	4617.00	1000.00	1.090	.000	20.00	.00	.00	.00	.00

COMI VERSION 70130. NOR 12

SOURCE INPUT

	ID	X(KM)	Y(KM)	TX(M)	SQ2(U/SEC)	TSP(U/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(UC)	SA(MMM2/SEC)
A	257	287.00	4615.00	1000.00	1.410	.000	20.00	.00	.00	.00	.00
A	258	287.00	4616.00	1000.00	2.370	.000	20.00	.00	.00	.00	.00
A	259	287.00	4620.00	1000.00	1.170	.000	20.00	.00	.00	.00	.00
A	260	288.00	4605.00	2000.00	.200	.000	20.00	.00	.00	.00	.00
A	261	288.00	4607.00	1000.00	.390	.000	20.00	.00	.00	.00	.00
A	262	288.00	4610.00	1000.00	.470	.000	20.00	.00	.00	.00	.00
A	263	288.00	4611.00	1000.00	.510	.000	20.00	.00	.00	.00	.00
A	264	288.00	4612.00	1000.00	1.440	.000	20.00	.00	.00	.00	.00
A	265	288.00	[illegible]	1000.00	.210	.000	20.00	.00	.00	.00	.00
A	266	288.00	4614.00	1000.00	1.720	.000	20.00	.00	.00	.00	.00
A	267	288.00	4615.00	1000.00	4.180	.000	20.00	.00	.00	.00	.00
A	268	288.00	4616.00	1000.00	2.570	.000	20.00	.00	.00	.00	.00
A	269	288.00	4617.00	1000.00	3.870	.000	20.00	.00	.00	.00	.00
A	270	288.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	271	288.00	4619.00	4000.00	3.100	.000	20.00	.00	.00	.00	.00
A	272	288.00	4623.00	2000.00	.760	.000	20.00	.00	.00	.00	.00
A	273	289.00	4610.00	1000.00	1.650	.000	20.00	.00	.00	.00	.00
A	274	289.00	4611.00	1000.00	1.850	.000	20.00	.00	.00	.00	.00
A	275	289.00	4612.00	1000.00	3.000	.000	20.00	.00	.00	.00	.00
A	276	289.00	4613.00	1000.00	.910	.000	20.00	.00	.00	.00	.00
A	277	289.00	4614.00	1000.00	1.980	.000	20.00	.00	.00	.00	.00
A	278	289.00	4615.00	1000.00	2.200	.000	20.00	.00	.00	.00	.00
A	279	289.00	4616.00	1000.00	3.860	.000	20.00	.00	.00	.00	.00
A	280	289.00	4617.00	1000.00	2.450	.000	20.00	.00	.00	.00	.00
A	281	289.00	4618.00	1000.00	.470	.000	20.00	.00	.00	.00	.00
A	282	290.00	4560.00	10000.00	1.350	.000	20.00	.00	.00	.00	.00

CDMI VERSION 7.0130 MAY 12

SOURCE INPUT

	ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DEG)	SA(M**2/SEC)
A	287	287.00	4618.00	1000.00	1.660	.000	20.00	.00	.00	.00	.00
A	288	287.00	4619.00	1000.00	2.370	.000	20.00	.00	.00	.00	.00
A	289	287.00	4620.00	1000.00	1.120	.000	20.00	.00	.00	.00	.00
A	290	288.00	4605.00	2000.00	.290	.000	20.00	.00	.00	.00	.00
A	291	288.00	4607.00	1000.00	.370	.000	20.00	.00	.00	.00	.00
A	292	288.00	4610.00	1000.00	.470	.000	20.00	.00	.00	.00	.00
A	293	288.00	4611.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	294	288.00	4612.00	1000.00	1.470	.000	20.00	.00	.00	.00	.00
A	295	288.00	4613.00	1000.00	.210	.000	20.00	.00	.00	.00	.00
A	295	288.00	4614.00	1000.00	1.720	.000	20.00	.00	.00	.00	.00
A	297	288.00	4615.00	1000.00	4.100	.000	20.00	.00	.00	.00	.00
A	298	288.00	4616.00	1000.00	2.670	.000	20.00	.00	.00	.00	.00
A	299	288.00	4617.00	1000.00	3.810	.000	20.00	.00	.00	.00	.00
A	270	289.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	271	288.00	4614.00	4000.00	3.100	.000	20.00	.00	.00	.00	.00
A	272	288.00	4623.00	2000.00	.700	.000	20.00	.00	.00	.00	.00
A	273	289.00	4610.00	1000.00	1.630	.000	20.00	.00	.00	.00	.00
A	274	289.00	4611.00	1000.00	1.320	.000	20.00	.00	.00	.00	.00
A	275	289.00	4612.00	1000.00	3.000	.000	20.00	.00	.00	.00	.00
A	276	289.00	4613.00	1000.00	.910	.000	20.00	.00	.00	.00	.00
A	277	289.00	4614.00	1000.00	1.500	.000	20.00	.00	.00	.00	.00
A	278	289.00	4615.00	1000.00	2.200	.000	20.00	.00	.00	.00	.00
A	279	289.00	4616.00	1000.00	3.500	.000	20.00	.00	.00	.00	.00
A	280	289.00	4617.00	1000.00	2.480	.000	20.00	.00	.00	.00	.00
A	281	289.00	4618.00	1000.00	.470	.000	20.00	.00	.00	.00	.00
A	282	290.00	4600.00	10000.00	1.350	.000	20.00	.00	.00	.00	.00
A	283	290.00	4601.00	10000.00	2.640	.000	20.00	.00	.00	.00	.00
A	284	290.00	4602.00	10000.00	1.420	.000	20.00	.00	.00	.00	.00
A	285	290.00	4603.00	10000.00	2.270	.000	20.00	.00	.00	.00	.00
A	286	290.00	4604.00	5000.00	.820	.000	20.00	.00	.00	.00	.00
A	287	290.00	4605.00	2500.00	1.910	.000	20.00	.00	.00	.00	.00
A	288	290.00	4607.50	2500.00	.200	.000	20.00	.00	.00	.00	.00
A	289	290.00	4613.00	1000.00	1.700	.000	20.00	.00	.00	.00	.00
A	290	290.00	4611.00	1000.00	3.660	.000	20.00	.00	.00	.00	.00
A	291	290.00	4612.00	1000.00	3.000	.000	20.00	.00	.00	.00	.00
A	292	290.00	4613.00	1000.00	2.350	.000	20.00	.00	.00	.00	.00
A	293	290.00	4614.00	1000.00	.590	.000	20.00	.00	.00	.00	.00
A	294	290.00	4615.00	1000.00	2.730	.000	20.00	.00	.00	.00	.00
A	295	290.00	4616.00	1000.00	.980	.000	20.00	.00	.00	.00	.00
A	296	290.00	4617.00	1000.00	1.090	.000	20.00	.00	.00	.00	.00
A	297	290.00	4618.00	1000.00	.010	.000	20.00	.00	.00	.00	.00
A	298	290.00	4623.00	2000.00	.420	.000	20.00	.00	.00	.00	.00
A	299	290.00	4625.00	5000.00	1.430	.000	20.00	.00	.00	.00	.00
A	300	290.00	4630.00	5000.00	.430	.000	20.00	.00	.00	.00	.00
A	301	290.00	4635.00	5000.00	.970	.000	20.00	.00	.00	.00	.00
A	302	290.00	4640.00	5000.00	.150	.000	20.00	.00	.00	.00	.00
A	303	290.00	4645.00	10000.00	1.900	.000	20.00	.00	.00	.00	.00
A	304	290.00	4655.00	10000.00	1.320	.000	20.00	.00	.00	.00	.00
A	305	291.00	4610.00	1000.00	.800	.000	20.00	.00	.00	.00	.00
A	306	291.00	4611.00	1000.00	.540	.000	20.00	.00	.00	.00	.00
A	307	291.00	4612.00	1000.00	2.200	.000	20.00	.00	.00	.00	.00

COMI VERSION 7.0130. MAY 12

SOURCE INPUT

	ID	X(KM)	Y(KM)	TX(M)	SO2(G/SEC)	TSP(G/SEC)	MS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	309	291.00	4613.00	1000.00	1.620	.000	20.00	.00	.00	.00	.00
A	310	291.00	4614.00	1000.00	1.620	.000	20.00	.00	.00	.00	.00
A	311	291.00	4615.00	1000.00	.270	.000	20.00	.00	.00	.00	.00
A	312	291.00	4616.00	1000.00	1.080	.000	20.00	.00	.00	.00	.00
A	313	291.00	4617.00	1000.00	.378	.000	20.00	.00	.00	.00	.00
A	314	291.00	4618.00	1000.00	.135	.000	20.00	.00	.00	.00	.00
A	315	292.00	4610.00	1000.00	.540	.000	20.00	.00	.00	.00	.00
A	316	292.00	4611.00	1000.00	.675	.000	20.00	.00	.00	.00	.00
A	317	292.00	4612.00	1000.00	.945	.000	20.00	.00	.00	.00	.00
A	318	292.00	4613.00	1000.00	1.350	.000	20.00	.00	.00	.00	.00
A	319	292.00	4614.00	1000.00	.300	.000	20.00	.00	.00	.00	.00
A	320	292.00	4615.00	1000.00	.750	.000	20.00	.00	.00	.00	.00
A	321	292.00	4616.00	1000.00	1.650	.000	20.00	.00	.00	.00	.00
A	322	292.00	4617.00	1000.00	1.650	.000	20.00	.00	.00	.00	.00
A	323	292.00	4618.00	1000.00	1.200	.000	20.00	.00	.00	.00	.00
A	324	292.00	4619.00	1000.00	.600	.000	20.00	.00	.00	.00	.00
A	325	292.00	4620.00	1000.00	.600	.000	20.00	.00	.00	.00	.00
A	326	292.00	4621.00	1000.00	1.500	.000	20.00	.00	.00	.00	.00
A	327	292.00	4622.00	1000.00	.060	.000	20.00	.00	.00	.00	.00
A	328	292.50	4608.50	2500.00	.375	.000	20.00	.00	.00	.00	.00
A	329	292.50	4607.50	2500.00	1.350	.000	20.00	.00	.00	.00	.00
A	330	293.00	4610.00	2000.00	.960	.000	20.00	.00	.00	.00	.00
A	331	293.00	4612.00	1000.00	1.080	.000	20.00	.00	.00	.00	.00
A	332	293.00	4613.00	1000.00	1.620	.000	20.00	.00	.00	.00	.00
A	333	293.00	4614.00	1000.00	.270	.000	20.00	.00	.00	.00	.00
A	334	293.00	4615.00	1000.00	.810	.000	20.00	.00	.00	.00	.00
A	335	293.00	4616.00	2000.00	1.350	.000	20.00	.00	.00	.00	.00
A	336	293.00	4617.00	2000.00	1.080	.000	20.00	.00	.00	.00	.00
A	337	293.00	4620.00	1000.00	1.080	.000	20.00	.00	.00	.00	.00
A	338	293.00	4621.00	1000.00	.270	.000	20.00	.00	.00	.00	.00
A	339	293.00	4622.00	1000.00	.810	.000	20.00	.00	.00	.00	.00
A	340	294.00	4612.00	1000.00	.540	.000	20.00	.00	.00	.00	.00
A	341	294.00	4613.00	1000.00	.810	.000	20.00	.00	.00	.00	.00
A	342	294.00	4614.00	1000.00	.270	.000	20.00	.00	.00	.00	.00
A	343	294.00	4615.00	1000.00	.810	.000	20.00	.00	.00	.00	.00
A	344	294.00	4620.00	1000.00	.540	.000	20.00	.00	.00	.00	.00
A	345	294.00	4621.00	1000.00	1.620	.000	20.00	.00	.00	.00	.00
A	346	294.00	4622.00	1000.00	.810	.000	20.00	.00	.00	.00	.00
A	347	294.00	4623.00	2000.00	.378	.000	20.00	.00	.00	.00	.00
A	348	294.00	4606.00	5000.00	.472	.000	20.00	.00	.00	.00	.00
A	349	295.00	4605.00	2500.00	.945	.000	20.00	.00	.00	.00	.00
A	350	295.00	4607.50	2500.00	.480	.000	20.00	.00	.00	.00	.00
A	351	295.00	4610.00	2500.00	.375	.000	20.00	.00	.00	.00	.00
A	352	295.00	4612.50	2500.00	1.200	.000	20.00	.00	.00	.00	.00
A	353	295.00	4615.00	2500.00	.960	.000	20.00	.00	.00	.00	.00
A	354	295.00	4617.50	2500.00	.750	.000	20.00	.00	.00	.00	.00
A	355	295.00	4620.00	5000.00	1.080	.000	20.00	.00	.00	.00	.00
A	356	295.00	4625.00	5000.00	1.620	.000	20.00	.00	.00	.00	.00
A	357	295.00	4630.00	5000.00	.702	.000	20.00	.00	.00	.00	.00
A	358	295.00	4635.00	5000.00	.648	.000	20.00	.00	.00	.00	.00

CDMI VERSION 70130 RUN 12

SOURCE INPUT ID	X(M)	Y(M)	TX(M)	SO2(G/SEC)	TS(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A 358	295.00	4640.00	4000.00	.030	.000	20.00	.00	.00	.00	.00
A 359	296.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 361	296.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 362	297.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 363	297.50	4645.00	2500.00	.240	.000	20.00	.00	.00	.00	.00
A 364	297.50	4615.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A 365	297.50	4612.50	2500.00	.030	.000	20.00	.00	.00	.00	.00
A 366	297.50	4615.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A 367	297.50	4617.50	2500.00	.030	.000	20.00	.00	.00	.00	.00
A 368	298.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 369	298.00	4640.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 370	299.00	4641.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 371	299.00	4642.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 372	299.00	4643.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 373	299.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 374	300.00	4610.00	5000.00	.030	.000	20.00	.00	.00	.00	.00
A 375	300.00	4615.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A 376	300.00	4617.50	2500.00	.030	.000	20.00	.00	.00	.00	.00
A 377	300.00	4635.00	5000.00	.030	.000	20.00	.00	.00	.00	.00
A 378	300.00	4643.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 379	300.00	4641.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 380	300.00	4642.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 381	300.00	4643.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 382	300.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 383	300.00	4645.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A 384	300.00	4647.50	2500.00	.030	.000	20.00	.00	.00	.00	.00
A 385	300.00	4650.00	5000.00	.030	.000	20.00	.00	.00	.00	.00
A 386	300.00	4655.00	5000.00	.030	.000	20.00	.00	.00	.00	.00
A 387	300.00	4660.00	5000.00	.030	.000	20.00	.00	.00	.00	.00
A 388	301.00	4640.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 389	301.00	4641.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 390	301.00	4642.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 391	301.00	4643.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 392	301.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 393	302.00	4640.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 394	302.00	4641.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 395	302.00	4642.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 396	302.00	4643.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 397	302.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 398	302.50	4615.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A 399	302.50	4645.00	2500.00	.030	.000	20.00	.00	.00	.00	.00
A 400	302.50	4647.50	2500.00	.030	.000	20.00	.00	.00	.00	.00
A 401	303.00	4640.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 402	303.00	4641.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 403	303.00	4642.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 404	303.00	4643.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 405	303.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 406	304.00	4640.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 407	304.00	4641.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 408	304.00	4642.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A 409	304.00	4643.00	1000.00	.030	.000	20.00	.00	.00	.00	.00

CDM1 VERSION 75130. RUN 12

SOURCE INPUT

	I.	X(KM)	Y(KM)	TX(M)	SDP(G/SEC)	TSP(G/SEC)	HS(M)	D(M)	VS(M/SEC)	TS(DC)	SA(M**2/SEC)
A	410	304.00	4644.00	1000.00	.030	.000	20.00	.00	.00	.00	.00
A	411	305.00	4610.00	5000.00	1.410	.000	20.00	.00	.00	.00	.00
A	412	305.00	4640.00	5000.00	1.240	.000	20.00	.00	.00	.00	.00
A	413	305.00	4645.00	2500.00	.700	.000	20.00	.00	.00	.00	.00
A	414	305.00	4647.50	2500.00	.070	.000	20.00	.00	.00	.00	.00
A	415	305.00	4650.00	5000.00	.150	.000	20.00	.00	.00	.00	.00
A	416	305.00	4655.00	5000.00	.970	.000	20.00	.00	.00	.00	.00
A	417	305.00	4660.00	5000.00	.810	.000	20.00	.00	.00	.00	.00
A	418	307.50	4645.00	2500.00	1.040	.000	20.00	.00	.00	.00	.00
A	419	307.50	4647.50	2500.00	.930	.000	20.00	.00	.00	.00	.00
A	420	310.00	4610.00	5000.00	.830	.000	20.00	.00	.00	.00	.00
A	421	310.00	4645.00	5000.00	.700	.000	20.00	.00	.00	.00	.00
A	422	310.00	4650.00	5000.00	1.130	.000	20.00	.00	.00	.00	.00
A	423	310.00	4655.00	5000.00	1.510	.000	20.00	.00	.00	.00	.00

422 AREA SOURCE(S). 144 POINT SOURCE(S).

4ADD.P PSBVL*RECEP4.

COMT VERSION 75130. RUN 12
(MICROGRAMS PER CUBIC METER)
TOLEDO STRATEGY RUN

RECEPTOR	COORDINATE		AREA		POINT		TOTAL		CALIBRATED		OBS. MEAN	
ID	X	Y	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2
1	297.00	4616.00	6.74	.00	34.46	.00	48.17	.00	52.34	.00	89	0
2	[illegible]	4620.00	21.72	.00	[illegible]	.00	39.46	.00	54.22	.00	74	0
3	[illegible]	4614.00	21.32	.00	12.41	.00	34.23	.00	56.55	.00	94	0
4	297.00	4615.00	27.00	.00	13.36	.00	40.37	.00	65.05	.00	68	0
5	303.00	4543.00	5.05	.00	10.30	.00	15.35	.00	20.99	.00	41	0
6	304.00	4653.00	1.21	.00	7.65	.00	[illegible]	.00	21.04	.00	33	0
7	280.00	4648.00	1.11	.00	3.20	.00	4.31	.00	17.72	.00	15	0
8	281.00	4606.00	7.29	.00	9.28	.00	16.57	.00	31.60	.00	13	0
9	289.00	4614.00	20.66	.00	12.93	.00	33.59	.00	55.52	.00	42	0
10	294.00	4617.00	11.65	.00	32.28	.00	43.94	.00	55.04	.00	0	0
11	304.00	4625.00	2.33	.00	14.55	.00	17.88	.00	20.42	.00	0	0
12	[illegible]	4615.00	19.64	.00	17.59	.00	37.43	.00	57.53	.00	0	0
13	292.00	4610.00	17.68	.00	20.93	.00	38.61	.00	56.49	.00	0	0
14	293.00	4618.00	14.39	.00	24.23	.00	38.62	.00	53.64	.00	0	0
15	302.00	4628.00	2.37	.00	15.92	.00	18.30	.00	28.76	.00	0	0
16	291.00	4616.00	21.11	.00	19.40	.00	40.51	.00	60.82	.00	0	0
17	292.00	4618.00	15.25	.00	18.26	.00	33.51	.00	50.76	.00	0	0
18	291.00	4618.00	17.37	.00	17.66	.00	35.03	.00	53.68	.00	0	0
19	290.00	4615.00	23.82	.00	14.20	.00	38.02	.00	61.41	.00	0	0
20	290.00	4615.00	27.71	.00	16.34	.00	44.04	.00	69.66	.00	0	0
21	290.00	4618.00	21.37	.00	16.60	.00	37.98	.00	59.26	.00	0	0
22	289.00	4618.00	25.67	.00	16.24	.00	41.91	.00	65.79	.00	0	0
23	289.00	4616.00	31.55	.00	14.94	.00	46.49	.00	74.16	.00	0	0
24	288.00	4618.00	27.58	.00	14.41	.00	41.99	.00	67.51	.00	0	0
25	290.00	4613.00	23.81	.00	12.31	.00	36.12	.00	60.05	.00	0	0
26	289.00	4613.00	20.09	.00	12.71	.00	32.80	.00	54.47	.00	0	0
27	288.00	4611.00	14.54	.00	18.03	.00	32.57	.00	49.48	.00	0	0
28	289.00	4612.00	18.17	.00	14.40	.00	32.57	.00	52.03	.00	0	0
29	290.00	4612.00	22.14	.00	13.82	.00	35.96	.00	58.50	.00	0	0
30	289.00	4610.00	10.85	.00	14.85	.00	25.70	.00	41.38	.00	0	0
31	290.00	4610.00	11.16	.00	13.03	.00	24.19	.00	40.59	.00	0	0
32	291.00	4614.00	20.51	.00	13.70	.00	34.21	.00	55.63	.00	0	0
33	291.00	4613.00	23.30	.00	12.29	.00	35.59	.00	59.24	.00	0	0
34	291.00	4612.00	21.74	.00	13.27	.00	35.00	.00	57.45	.00	0	0
35	291.00	4610.00	9.50	.00	11.61	.00	21.11	.00	36.95	.00	0	0
36	294.00	4597.00	1.32	.00	5.28	.00	6.61	.00	19.54	.00	0	0
37	292.00	4610.00	8.29	.00	11.39	.00	19.68	.00	34.89	.00	0	0
38	292.00	4612.00	15.32	.00	17.96	.00	33.28	.00	50.66	.00	0	0
39	293.00	4611.00	9.50	.00	13.56	.00	23.06	.00	38.33	.00	0	0
40	292.00	4613.00	18.43	.00	14.50	.00	32.94	.00	53.12	.00	0	0
41	294.00	4612.00	9.56	.00	15.63	.00	25.20	.00	39.91	.00	0	0
42	304.00	4603.00	1.07	.00	5.93	.00	7.01	.00	19.61	.00	0	0
43	292.00	4614.00	17.39	.00	14.61	.00	32.01	.00	51.56	.00	0	0
44	293.00	4614.00	14.74	.00	18.47	.00	33.21	.00	50.10	.00	0	0
45	294.00	4613.00	11.64	.00	16.90	.00	28.54	.00	44.09	.00	0	0

COMI VERSION 7.1.10. RUN 14
(MICROGRAMS PER COMIC METER)
TOTAL STRATOSPHERE

REFERENCE ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	UNS. MEAN P1	UNS. MEAN P2
46	[illegible]	[illegible]	8.71	.00	18.14	.00	26.85	.00	40.34	.00	0	0
47	305.00	4611.00	1.59	.00	9.46	.00	11.05	.00	23.65	.00	0	0
48	305.00	4614.00	2.43	.00	18.74	.00	14.17	.00	25.16	.00	0	0
49	299.00	4618.00	5.84	.00	27.84	.00	33.68	.00	43.60	.00	0	0
50	305.00	4619.00	5.84	.00	27.82	.00	33.30	.00	42.69	.00	0	0
51	297.00	4619.00	8.87	.00	28.80	.00	37.76	.00	43.87	.00	0	0
52	297.00	4620.00	8.00	.00	24.59	.00	31.19	.00	41.54	.00	0	0
53	297.00	4621.00	6.44	.00	22.14	.00	28.59	.00	39.00	.00	0	0
54	299.00	4621.00	8.93	.00	19.61	.00	28.54	.00	38.57	.00	0	0
55	303.00	4620.00	1.76	.00	9.97	.00	11.73	.00	23.80	.00	0	0
56	295.00	4620.00	7.45	.00	25.94	.00	33.39	.00	43.89	.00	0	0
57	295.00	4621.00	7.34	.00	21.94	.00	29.28	.00	40.65	.00	0	0
58	293.00	4624.00	2.00	.00	7.65	.00	9.64	.00	21.43	.00	0	0
59	297.00	4622.00	10.12	.00	17.35	.00	27.47	.00	42.01	.00	0	0
60	295.00	4627.00	2.19	.00	7.55	.00	9.65	.00	22.33	.00	0	0
61	295.00	4619.00	7.40	.00	33.17	.00	41.47	.00	60.78	.00	0	0
62	293.00	4620.00	9.27	.00	19.97	.00	29.24	.00	41.82	.00	0	0
63	295.00	4621.00	12.70	.00	18.92	.00	29.62	.00	45.77	.00	0	0
64	293.00	4625.00	2.23	.00	8.04	.00	10.27	.00	21.31	.00	0	0
65	293.00	4632.00	2.33	.00	5.58	.00	7.91	.00	21.34	.00	0	0
66	295.00	4615.00	8.73	.00	24.00	.00	32.73	.00	44.58	.00	0	0
67	295.00	4615.00	11.72	.00	19.71	.00	31.43	.00	46.21	.00	0	0
68	297.00	4601.00	3.44	.00	4.27	.00	7.71	.00	22.17	.00	0	0
69	297.00	4617.00	6.55	.00	33.43	.00	39.98	.00	61.19	.00	0	0
70	295.00	4617.00	7.22	.00	41.58	.00	48.81	.00	54.04	.00	0	0
71	295.00	4615.00	7.23	.00	26.47	.00	33.70	.00	43.99	.00	0	0
72	295.00	4599.00	2.02	.00	4.05	.00	6.08	.00	19.78	.00	0	0
73	293.00	4615.00	7.59	.00	22.70	.00	30.29	.00	41.81	.00	0	0
74	295.00	4614.00	7.03	.00	20.02	.00	27.05	.00	39.98	.00	0	0
75	293.00	4597.00	1.58	.00	4.59	.00	6.17	.00	19.44	.00	0	0
76	297.00	4616.00	6.32	.00	25.88	.00	32.40	.00	42.20	.00	0	0
77	297.00	4612.00	6.52	.00	20.80	.00	27.32	.00	38.77	.00	0	0
78	293.00	4598.00	1.31	.00	5.28	.00	6.59	.00	19.52	.00	0	0
79	297.00	4614.00	6.40	.00	18.63	.00	25.03	.00	37.04	.00	0	0
80	297.00	4599.00	1.22	.00	5.50	.00	6.72	.00	19.04	.00	0	0
81	295.00	4614.00	5.82	.00	17.95	.00	23.77	.00	35.63	.00	0	0
82	301.00	4596.00	1.01	.00	4.97	.00	5.98	.00	18.83	.00	0	0
83	295.00	4617.00	5.68	.00	28.12	.00	34.00	.00	42.95	.00	0	0
84	293.00	4613.00	13.95	.00	12.63	.00	26.58	.00	44.71	.00	0	0
85	293.00	4615.00	17.44	.00	10.90	.00	28.35	.00	49.00	.00	0	0
86	293.00	4618.00	22.48	.00	10.43	.00	32.91	.00	56.53	.00	0	0
87	293.00	4624.00	8.77	.00	6.81	.00	15.58	.00	32.39	.00	0	0
88	293.00	4609.00	14.03	.00	11.37	.00	25.40	.00	43.94	.00	0	0
89	293.00	4603.00	4.25	.00	4.74	.00	8.99	.00	23.52	.00	0	0
90	293.00	4600.00	2.67	.00	4.07	.00	6.74	.00	20.81	.00	0	0

91	280.00	4613.00	10.87	.00	12.05	.00	22.12	.00	37.55	.00	0	0
92	284.00	4613.00	22.92	.00	11.38	.00	33.91	.00	57.46	.00	0	0
93	284.00	4618.00	23.82	.00	11.15	.00	34.97	.00	59.20	.00	0	0
94	284.00	4622.00	17.37	.00	9.09	.00	26.46	.00	43.73	.00	0	0
95	284.00	4618.00	13.41	.00	10.82	.00	30.03	.00	45.69	.00	0	0
96	284.00	4613.00	9.13	.00	9.79	.00	17.89	.00	25.06	.00	0	0
97	288.00	4601.00	3.00	.00	4.65	.00	7.49	.00	22.22	.00	0	0
98	289.00	4616.00	13.78	.00	14.55	.00	28.33	.00	43.09	.00	0	0
99	289.00	4611.00	21.45	.00	13.58	.00	35.03	.00	57.09	.00	0	0
100	289.00	4613.00	25.26	.00	11.81	.00	37.07	.00	62.04	.00	0	0
101	293.00	4617.00	22.12	.00	11.42	.00	33.54	.00	55.62	.00	0	0
102	293.00	4621.00	14.86	.00	12.13	.00	26.99	.00	47.51	.00	0	0
103	293.00	4625.00	25.26	.00	12.00	.00	37.26	.00	62.26	.00	0	0
104	293.00	4617.00	23.41	.00	11.61	.00	35.03	.00	58.15	.00	0	0
105	293.00	4615.00	18.98	.00	13.43	.00	32.41	.00	52.19	.00	0	0
106	293.00	4613.00	26.05	.00	13.61	.00	39.66	.00	64.34	.00	0	0
107	293.00	4610.00	12.36	.00	13.71	.00	26.07	.00	46.93	.00	0	0
108	293.00	4617.00	19.39	.00	13.11	.00	32.50	.00	50.01	.00	0	0
109	297.00	4617.00	17.25	.00	11.82	.00	29.07	.00	50.30	.00	0	0
110	297.00	4615.00	15.36	.00	15.81	.00	31.17	.00	50.23	.00	0	0
111	297.00	4612.00	11.81	.00	16.78	.00	28.59	.00	44.00	.00	0	0
112	299.00	4611.00	5.00	.00	13.26	.00	19.32	.00	32.09	.00	0	0
113	299.00	4612.00	7.60	.00	16.01	.00	23.61	.00	37.08	.00	0	0
114	299.00	4613.00	8.62	.04	17.45	.00	26.07	.00	39.71	.00	0	0
115	299.00	4615.00	6.90	.00	17.00	.00	23.90	.00	38.68	.00	0	0
116	299.00	4607.00	6.51	.00	7.45	.00	13.97	.00	24.28	.00	0	0
117	299.00	4609.00	11.52	.00	11.10	.00	22.61	.00	39.78	.00	0	0
118	299.00	4611.00	17.87	.00	16.14	.00	34.00	.00	56.43	.00	0	0
119	299.00	4614.00	26.84	.00	9.47	.00	36.31	.00	62.83	.00	0	0
120	299.00	4621.00	16.84	.00	10.15	.00	26.99	.00	47.51	.00	0	0
121	299.00	4623.00	12.89	.00	8.66	.00	21.54	.00	40.21	.00	0	0
122	299.00	4625.00	7.42	.00	7.85	.00	15.27	.00	30.99	.00	0	0
123	299.00	4627.00	5.74	.00	8.16	.00	13.90	.00	25.56	.00	0	0
124	299.00	4629.00	4.65	.00	8.11	.00	12.76	.00	25.31	.00	0	0
125	299.00	4631.00	3.47	.00	7.61	.00	11.08	.00	24.55	.00	0	0
126	299.00	4633.00	2.81	.00	7.32	.00	10.12	.00	23.33	.00	0	0
127	299.00	4635.00	2.37	.00	6.86	.00	9.24	.00	22.32	.00	0	0
128	299.00	4606.00	4.90	.00	6.57	.00	11.47	.00	20.11	.00	0	0
129	299.00	4608.00	8.64	.00	8.85	.00	17.48	.00	33.63	.00	0	0
130	299.00	4612.00	21.89	.00	14.85	.00	36.74	.00	56.83	.00	0	0
131	299.00	4614.00	32.71	.00	13.35	.00	46.06	.00	74.66	.00	0	0
132	299.00	4616.00	25.58	.00	12.29	.00	38.87	.00	64.42	.00	0	0
133	299.00	4618.00	23.66	.00	11.15	.00	34.81	.00	57.00	.00	0	0
134	299.00	4622.00	14.12	.00	12.00	.00	26.11	.00	44.32	.00	0	0
135	299.00	4624.00	9.58	.00	9.59	.00	19.17	.00	33.04	.00	0	0

CORI VERSION [illegible] 12
(MICROGRAMS PER CUBIC METER)
[illegible] STABILITY RUN

RECEPTOR ID	COORDINATE X	COORDINATE Y	ANGLE P1	ANGLE P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	OBS. MEAN P1	OBS. MEAN P2
136	286.00	4625.00	6.51	.00	8.25	.00	14.76	.00	29.54	.00	0	0
137	286.00	4624.00	5.16	.00	8.17	.00	13.32	.00	27.64	.00	0	0
138	286.00	4623.00	4.03	.00	8.21	.00	12.24	.00	25.09	.00	0	0
139	286.00	4622.00	3.22	.00	7.77	.00	11.00	.00	24.57	.00	0	0
140	286.00	4621.00	2.73	.00	8.75	.00	11.48	.00	24.81	.00	0	0
141	287.00	4607.00	5.32	.00	8.65	.00	13.97	.00	29.25	.00	0	0
142	287.00	4609.00	9.96	.00	15.92	.00	25.88	.00	40.74	.00	0	0
143	287.00	4611.00	17.42	.00	20.01	.00	37.43	.00	55.93	.00	0	0
144	287.00	4613.00	25.13	.00	15.21	.00	40.34	.00	58.20	.00	0	0
145	287.00	4615.00	30.95	.00	13.28	.00	44.23	.00	75.28	.00	0	0
146	287.00	4617.00	30.41	.00	12.01	.00	42.41	.00	72.27	.00	0	0
147	287.00	4619.00	25.47	.00	12.09	.00	37.56	.00	62.75	.00	0	0
148	287.00	4621.00	17.51	.00	14.38	.00	31.89	.00	51.38	.00	0	0
149	287.00	4623.00	11.71	.00	10.19	.00	21.91	.00	37.44	.00	0	0
150	287.00	4625.00	7.25	.00	9.03	.00	16.29	.00	31.57	.00	0	0
151	287.00	4627.00	5.78	.00	8.25	.00	14.02	.00	28.68	.00	0	0
152	287.00	4629.00	4.80	.00	8.41	.00	13.21	.00	27.42	.00	0	0
153	287.00	4631.00	3.54	.00	8.46	.00	12.00	.00	25.31	.00	0	0
154	287.00	4633.00	2.86	.00	8.70	.00	11.55	.00	24.23	.00	0	0
155	287.00	4635.00	2.51	.00	7.91	.00	10.43	.00	23.29	.00	0	0
156	288.00	4606.00	4.20	.00	6.89	.00	11.09	.00	25.23	.00	0	0
157	288.00	4608.00	7.29	.00	9.28	.00	16.57	.00	31.60	.00	0	0
158	288.00	4610.00	10.46	.00	21.11	.00	31.57	.00	45.61	.00	0	0
159	288.00	4612.00	35.00	.00	14.18	.00	49.18	.00	77.07	.00	0	0
160	288.00	4614.00	24.42	.00	13.57	.00	37.99	.00	61.49	.00	0	0
161	288.00	4616.00	19.91	.00	12.77	.00	32.68	.00	54.62	.00	0	0
162	288.00	4618.00	13.15	.00	11.52	.00	24.67	.00	42.05	.00	0	0
163	288.00	4620.00	8.10	.00	9.60	.00	17.70	.00	33.32	.00	0	0
164	288.00	4622.00	6.24	.00	9.20	.00	15.44	.00	30.10	.00	0	0
165	288.00	4624.00	5.07	.00	9.24	.00	14.31	.00	28.67	.00	0	0
166	288.00	4626.00	4.07	.00	10.18	.00	14.26	.00	27.37	.00	0	0
167	288.00	4628.00	3.32	.00	9.59	.00	12.91	.00	25.76	.00	0	0
168	288.00	4630.00	2.81	.00	5.32	.00	7.64	.00	21.61	.00	0	0
169	289.00	4604.00	3.07	.00	6.08	.00	9.15	.00	26.67	.00	0	0
170	289.00	4613.00	27.00	.00	13.36	.00	40.37	.00	65.05	.00	0	0
171	289.00	4619.00	16.72	.00	15.79	.00	32.51	.00	51.33	.00	0	0
172	289.00	4621.00	13.09	.00	29.14	.00	42.23	.00	55.07	.00	0	0
173	289.00	4623.00	9.81	.00	12.50	.00	22.30	.00	30.07	.00	0	0
174	289.00	4625.00	7.39	.00	10.75	.00	18.13	.00	35.00	.00	0	0
175	289.00	4627.00	5.70	.00	10.32	.00	16.03	.00	30.04	.00	0	0
176	289.00	4629.00	4.43	.00	10.06	.00	14.49	.00	27.65	.00	0	0
177	289.00	4631.00	3.73	.00	10.53	.00	14.26	.00	27.07	.00	0	0
178	290.00	4606.00	4.15	.00	7.10	.00	11.25	.00	25.30	.00	0	0
179	290.00	4608.00	6.00	.00	9.09	.00	15.09	.00	29.64	.00	0	0
180	290.00	4620.00	13.39	.00	15.71	.00	29.10	.00	46.02	.00	0	0

CORI VERSION (1130) RUN 12
(MICROGRAMS PER CUBIC METER)
TOLEDO STUDY NOV

RECEPTOR ID	COORDINATE X	COORDINATE Y	AREA P1	AREA P2	POINT P1	POINT P2	TOTAL P1	TOTAL P2	CALIBRATED P1	CALIBRATED P2	DIFF. MEAN P1	DIFF. MEAN P2
181	290.00	4622.00	10.64	.00	13.14	.00	23.82	.00	41.33	.00	0	0
182	290.00	4624.00	7.41	.00	11.45	.00	18.87	.00	33.55	.00	0	0
183	290.00	4626.00	5.79	.00	11.03	.00	16.83	.00	30.69	.00	0	0
184	290.00	4628.00	4.82	.00	10.14	.00	14.96	.00	28.55	.00	0	0
185	290.00	4630.00	3.94	.00	12.05	.00	15.99	.00	27.61	.00	0	0
186	291.00	4613.00	13.00	.00	20.82	.00	33.82	.00	47.03	.00	0	0
187	291.00	4623.00	11.15	.00	15.20	.00	26.35	.00	42.16	.00	0	0
188	291.00	4625.00	8.13	.00	12.94	.00	21.07	.00	35.73	.00	0	0
189	291.00	4627.00	6.34	.00	11.06	.00	17.40	.00	31.72	.00	0	0
190	291.00	4629.00	5.20	.00	11.33	.00	16.53	.00	29.95	.00	0	0
191	291.00	4629.00	4.15	.00	10.78	.00	14.93	.00	27.91	.00	0	0
192	292.00	4630.00	12.50	.00	15.34	.00	27.84	.00	43.00	.00	0	0
193	292.00	4622.00	10.15	.00	14.85	.00	25.00	.00	40.25	.00	0	0
194	292.00	4624.00	6.79	.00	13.88	.00	20.67	.00	35.85	.00	0	0
195	292.00	4626.00	5.73	.00	11.94	.00	17.66	.00	30.77	.00	0	0
196	292.00	4628.00	4.37	.00	11.79	.00	16.16	.00	28.98	.00	0	0
197	293.00	4613.00	14.34	.00	25.10	.00	39.44	.00	56.64	.00	0	0
198	293.00	4615.00	14.40	.00	18.73	.00	33.12	.00	49.74	.00	0	0
199	293.00	4621.00	13.35	.00	16.17	.00	29.51	.00	46.26	.00	0	0
200	293.00	4623.00	7.55	.00	14.33	.00	21.90	.00	35.02	.00	0	0
201	293.00	4625.00	5.61	.00	13.27	.00	19.00	.00	32.30	.00	0	0
202	293.00	4627.00	4.50	.00	12.05	.00	16.55	.00	29.35	.00	0	0
203	294.00	4610.00	6.21	.00	11.58	.00	17.79	.00	31.74	.00	0	0
204	294.00	4614.00	12.15	.00	18.01	.00	30.16	.00	45.08	.00	0	0
205	294.00	4616.00	12.29	.00	24.99	.00	37.28	.00	50.80	.00	0	0
206	294.00	4618.00	11.03	.00	24.47	.00	35.50	.00	48.50	.00	0	0
207	294.00	4620.00	11.77	.00	18.38	.00	30.15	.00	45.35	.00	0	0
208	294.00	4622.00	10.20	.00	15.35	.00	25.55	.00	40.71	.00	0	0
209	294.00	4624.00	8.14	.00	13.42	.00	21.56	.00	36.54	.00	0	0
210	294.00	4626.00	4.79	.00	13.76	.00	18.54	.00	31.03	.00	0	0
211	295.00	4615.00	18.96	.00	19.49	.00	38.45	.00	41.69	.00	0	0
212	295.00	4617.00	9.39	.00	20.57	.00	29.96	.00	49.53	.00	0	0
213	295.00	4619.00	9.33	.00	22.13	.00	31.46	.00	44.15	.00	0	0
214	295.00	4621.00	7.50	.00	16.50	.00	24.00	.00	37.27	.00	0	0
215	295.00	4623.00	5.80	.00	13.74	.00	19.54	.00	32.44	.00	0	0
216	295.00	4610.00	4.64	.00	12.48	.00	17.12	.00	29.89	.00	0	0
217	295.00	4612.00	5.75	.00	15.27	.00	21.03	.00	33.64	.00	0	0
218	295.00	4624.00	5.89	.00	14.66	.00	20.55	.00	33.42	.00	0	0
219	297.00	4611.00	4.42	.00	14.06	.00	18.49	.00	30.67	.00	0	0
220	297.00	4613.00	5.69	.00	16.07	.00	21.76	.00	34.09	.00	0	0
221	297.00	4625.00	5.50	.00	18.89	.00	24.39	.00	35.61	.00	0	0
222	298.00	4610.00	3.80	.00	12.30	.00	16.10	.00	28.44	.00	0	0
223	298.00	4612.00	4.44	.00	14.91	.00	19.35	.00	31.30	.00	0	0
224	298.00	4614.00	5.62	.00	25.20	.00	30.82	.00	39.06	.00	0	0
225	298.00	4620.00	5.69	.00	24.81	.00	30.51	.00	40.31	.00		

COMI VERSION [illegible] RUN 12
(MICROGRAMS PER CUBIC METER)
TOLEDO STRATEGY RUN

RECEPTOR	COORDINATE		AREA		POINT		TOTAL		CALIBRATED		OBS. MEAN	
ID	X	Y	P1	P2	P1	P2	P1	P2	P1	P2	P1	P2
226	298.00	4622.00	5.49	.00	19.57	.00	25.07	.00	35.28	.00	0	0
227	299.00	4611.00	3.41	.00	12.80	.00	16.22	.00	26.18	.00	0	0
228	299.00	4613.00	4.57	.00	15.87	.00	20.44	.00	32.19	.00	0	0
229	299.00	4615.00	5.67	.00	18.67	.00	24.24	.00	35.76	.00	0	0
230	299.00	4612.00	3.73	.00	13.85	.00	17.58	.00	29.43	.00	0	0
231	299.00	4614.00	5.17	.00	16.95	.00	22.12	.00	33.90	.00	0	0
232	300.00	4610.00	2.91	.00	10.82	.00	13.73	.00	25.99	.00	0	0
233	300.00	4612.00	3.51	.00	13.22	.00	16.73	.00	26.63	.00	0	0
234	300.00	4614.00	4.69	.00	16.49	.00	21.18	.00	32.61	.00	0	0
235	300.00	4616.00	4.37	.00	22.60	.00	26.98	.00	36.66	.00	0	0
236	300.00	4618.00	4.38	.00	25.34	.00	29.71	.00	38.50	.00	0	0
237	300.00	4620.00	4.41	.00	23.20	.00	27.61	.00	37.14	.00	0	0
238	296.00	4618.00	7.41	.00	75.60	.00	83.01	.00	79.09	.00	0	0
239	295.00	4618.00	9.23	.00	28.86	.00	38.09	.00	48.77	.00	0	0
240	296.50	4617.50	6.96	.00	42.67	.00	49.63	.00	54.99	.00	0	0
241	296.50	4618.00	6.91	.00	49.20	.00	56.11	.00	59.55	.00	0	0
242	297.50	4618.50	6.38	.00	31.30	.00	37.69	.00	46.01	.00	0	0
243	297.50	4617.50	5.83	.00	31.50	.00	37.32	.00	45.27	.00	0	0

----[illegible] CONTRIBUTION TABLE----
ANNUAL SO2
(PICOGRAMS PER CUBIC METER)
TOLEDO STRATEGY RUN

FROM POINT SOURCES

SOURCE	RECEPTOR 238	RECEPTOR 159	RECEPTOR 145	RECEPTOR 131	RECEPTOR 23	RECEPTOR 105	RECEPTOR 146	RECEPTOR 20	RECEPTOR 24	RECEPTOR 100
1	.20	.28	.28	.29	.29	.25	.33	.31	.34	.23
	.25%	.35%	.34%	.32%	.40%	.34%	.46%	.45%	.51%	.35%
2	.20	.28	.25	.29	.29	.24	.33	.31	.34	.23
	.25%	.35%	.34%	.32%	.39%	.34%	.46%	.44%	.51%	.35%
3	.21	.29	.27	.25	.31	.26	.36	.33	.36	.25
	.27%	.37%	.36%	.39%	.42%	.36%	.49%	.47%	.54%	.37%
4	.16	.32	.30	.28	.33	.29	.37	.34	.38	.27
	.20%	.40%	.40%	.38%	.45%	.40%	.52%	.50%	.57%	.41%
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
6	.09	.02	.02	.05	.02	.05	.02	.02	.02	.05
	.12%	.02%	.03%	.07%	.02%	.07%	.03%	.03%	.03%	.08%
7	.09	.02	.02	.05	.02	.05	.02	.02	.02	.05
	.12%	.02%	.03%	.07%	.02%	.07%	.03%	.03%	.03%	.07%
8	.83	.16	.22	.46	.16	.46	.17	.21	.17	.45
	1.04%	.21%	.29%	.61%	.21%	.63%	.24%	.31%	.25%	.67%
9	.70	.15	.18	.40	.11	.40	.16	.09	.16	.39
	.88%	.19%	.23%	.53%	.15%	.55%	.23%	.13%	.24%	.58%
10	.10	.01	.01	.00	.01	.01	.01	.01	.01	.01
	.13%	.01%	.01%	.01%	.01%	.01%	.01%	.02%	.01%	.01%
11	.25	.09	.06	.05	.10	.07	.08	.11	.09	.06
	.32%	.11%	.08%	.07%	.13%	.09%	.11%	.17%	.13%	.09%
12	.52	.18	.12	.10	.20	.14	.16	.24	.18	.12
	.66%	.22%	.16%	.14%	.27%	.19%	.22%	.34%	.26%	.19%
13	.40	.04	.02	.02	.05	.03	.03	.05	.04	.02
	.50%	.05%	.03%	.03%	.06%	.04%	.05%	.09%	.06%	.03%
14	.52	.05	.03	.02	.05	.03	.04	.07	.05	.03
	.66%	.06%	.04%	.03%	.08%	.05%	.06%	.11%	.07%	.04%
15	.84	.07	.04	.04	.09	.05	.06	.11	.07	.04
	1.07%	.09%	.06%	.05%	.12%	.07%	.08%	.16%	.10%	.06%

----SOURCE CONTRIBUTION TABLE----
[illegible] SO2
(MICROGRAM PER CUBIC METER)
TOLEDO STRATEGY RUN

FROM POINT SOURCES

SOURCE	RECEPTOR 238	RECEPTOR 159	RECEPTOR 145	RECEPTOR 131	RECEPTOR 23	RECEPTOR 105	RECEPTOR 146	RECEPTOR 20	RECEPTOR 24	RECEPTOR 100
16	.04	.14	.09	.07	.17	.10	.12	.20	.14	.09
	1.05%	.18%	.12%	.10%	.22%	.14%	.17%	.29%	.21%	.13%
17	1.95	.20	.12	.10	.24	.14	.16	.30	.20	.12
	2.46%	.25%	.16%	.13%	.32%	.19%	.23%	.44%	.29%	.18%
18	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.04%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
19	.47	.05	.03	.03	.06	.03	.04	.08	.02	.03
	.59%	.06%	.04%	.03%	.08%	.05%	.06%	.11%	.07%	.05%
20	.06	.00	.00	.00	.01	.00	.00	.01	.00	.00
	.08%	.01%	.00%	.00%	.01%	.00%	.01%	.01%	.01%	.00%
21	.47	.29	.18	.15	.34	.21	.24	.42	.29	.18
	1.09%	.35%	.24%	.20%	.46%	.29%	.34%	.61%	.42%	.27%
22	.09	.12	.09	.08	.13	.10	.11	.13	.12	.09
	.11%	.15%	.11%	.10%	.17%	.14%	.16%	.19%	.17%	.14%
23	.04	.01	.00	.00	.01	.00	.01	.01	.01	.00
	.05%	.01%	.01%	.00%	.01%	.01%	.01%	.01%	.01%	.01%
24	.03	.01	.01	.01	.02	.01	.01	.02	.01	.01
	.04%	.02%	.01%	.01%	.02%	.01%	.02%	.03%	.01%	.01%
25	.03	.01	.01	.01	.02	.01	.01	.02	.01	.01
	.04%	.02%	.01%	.01%	.02%	.01%	.02%	.03%	.01%	.01%
26	.03	.01	.01	.01	.02	.01	.01	.02	.01	.01
	.04%	.02%	.01%	.01%	.02%	.01%	.02%	.03%	.01%	.01%
27	.03	.01	.01	.01	.02	.01	.01	.02	.01	.01
	.04%	.02%	.01%	.01%	.02%	.01%	.02%	.03%	.01%	.01%
28	.26	.08	.05	.04	.11	.05	.07	.15	.05	.04
	.33%	.10%	.07%	.05%	.15%	.07%	.09%	.22%	.07%	.07%
29	.26	.08	.05	.04	.11	.05	.07	.15	.05	.04
	.33%	.10%	.07%	.05%	.15%	.07%	.09%	.22%	.07%	.07%
30	.09	.04	.03	.02	.04	.03	.03	.04	.02	.03
	.12%	.05%	.04%	.03%	.05%	.04%	.05%	.06%	.03%	.04%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAMS PER CUBIC METER)
TOLEDO STRATEGY RUN

FROM POINT SOURCES

SOURCE	RECEPTOR 238	RECEPTOR 154	RECEPTOR 145	RECEPTOR 131	RECEPTOR 23	RECEPTOR 185	RECEPTOR 146	RECEPTOR 20	RECEPTOR 24	RECEPTOR 196
31	.01	.01	.00	.00	.01	.00	.00	.01	.00	.00
	.02%	.01%	.01%	.00%	.01%	.01%	.01%	.01%	.00%	.01%
32	.09	.03	.02	.02	.04	.03	.03	.04	.02	.02
	.11%	.04%	.03%	.03%	.05%	.04%	.04%	.06%	.03%	.03%
33	.10	.03	.02	.01	.04	.02	.02	.06	.02	.02
	.13%	.04%	.02%	.02%	.06%	.03%	.03%	.09%	.03%	.02%
34	.05	.02	.01	.01	.02	.01	.01	.03	.01	.01
	.07%	.02%	.01%	.01%	.03%	.01%	.02%	.05%	.01%	.01%
35	.05	.01	.01	.01	.02	.01	.01	.03	.01	.01
	.06%	.02%	.01%	.01%	.03%	.01%	.02%	.04%	.01%	.01%
36	.17	.06	.03	.03	.07	.04	.04	.09	.03	.03
	.22%	.07%	.04%	.04%	.10%	.06%	.05%	.14%	.05%	.05%
37	.14	.05	.03	.03	.05	.03	.04	.06	.02	.03
	.18%	.06%	.04%	.03%	.07%	.05%	.05%	.09%	.03%	.04%
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
39	.12	.04	.03	.02	.05	.03	.04	.06	.03	.02
	.15%	.05%	.04%	.03%	.07%	.04%	.05%	.09%	.04%	.04%
40	.18	.06	.04	.03	.08	.04	.05	.10	.04	.03
	.23%	.08%	.05%	.04%	.10%	.06%	.07%	.14%	.05%	.05%
41	.14	.04	.03	.02	.05	.03	.04	.08	.03	.02
	.18%	.05%	.04%	.03%	.08%	.04%	.05%	.12%	.04%	.04%
42	.13	.04	.02	.02	.05	.03	.03	.08	.02	.02
	.16%	.05%	.03%	.02%	.07%	.04%	.04%	.11%	.04%	.03%
43	.07	.02	.01	.01	.03	.01	.02	.04	.01	.01
	.08%	.03%	.02%	.01%	.04%	.02%	.02%	.06%	.02%	.02%
44	.46	.19	.13	.11	.20	.15	.16	.22	.10	.13
	.59%	.24%	.17%	.15%	.26%	.20%	.23%	.31%	.15%	.20%
45	.57	.17	.10	.07	.24	.10	.13	.36	.10	.08
	.72%	.21%	.13%	.10%	.32%	.14%	.18%	.52%	.15%	.12%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAMS PER CUBIC METER)
TOLEDO STRATEGY RUN

FROM POINT SOURCES

SOURCE	RECEPTOR 238	RECEPTOR 159	RECEPTOR 145	RECEPTOR 131	RECEPTOR 23	RECEPTOR 105	RECEPTOR 146	RECEPTOR 20	RECEPTOR 24	RECEPTOR 100
46	.06	.02	.02	.02	.03	.02	.02	.03	.02	.02
	.06%	.02%	.02%	.03%	.04%	.03%	.02%	.04%	.03%	.03%
47	.04	.01	.01	.02	.02	.02	.01	.02	.02	.02
	.06%	.02%	.02%	.02%	.03%	.02%	.02%	.03%	.03%	.02%
48	.03	.01	.01	.02	.02	.01	.01	.02	.01	.01
	.04%	.02%	.02%	.02%	.03%	.02%	.01%	.03%	.02%	.02%
49	.03	.01	.01	.02	.02	.01	.01	.02	.01	.01
	.04%	.02%	.02%	.02%	.03%	.02%	.01%	.03%	.02%	.02%
50	.03	.01	.01	.02	.02	.01	.01	.02	.01	.01
	.04%	.02%	.02%	.02%	.03%	.02%	.01%	.03%	.02%	.02%
51	.03	.01	.01	.02	.02	.01	.01	.02	.01	.01
	.04%	.02%	.02%	.02%	.03%	.02%	.01%	.03%	.02%	.02%
52	.05	.01	.01	.02	.02	.02	.01	.02	.02	.02
	.06%	.02%	.02%	.02%	.03%	.02%	.02%	.03%	.03%	.02%
53	.05	.02	.02	.02	.03	.02	.01	.03	.02	.02
	.06%	.02%	.02%	.03%	.03%	.03%	.02%	.04%	.03%	.03%
54	.01	.00	.00	.00	.01	.00	.00	.01	.00	.00
	.01%	.00%	.00%	.01%	.01%	.01%	.00%	.01%	.01%	.00%
55	.03	.01	.01	.01	.02	.01	.01	.02	.01	.01
	.04%	.02%	.02%	.02%	.03%	.02%	.01%	.03%	.02%	.02%
56	.03	.01	.01	.01	.02	.01	.01	.02	.01	.01
	.04%	.02%	.02%	.02%	.03%	.02%	.01%	.03%	.02%	.02%
57	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.01%	.00%	.00%	.01%	.01%	.01%	.00%	.01%	.01%	.01%
58	.02	.01	.01	.01	.01	.01	.00	.01	.01	.01
	.03%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
59	.02	.01	.01	.01	.01	.01	.00	.01	.01	.01
	.02%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
60	.01	.00	.00	.00	.01	.00	.00	.01	.00	.00
	.01%	.00%	.00%	.01%	.01%	.01%	.00%	.01%	.01%	.00%

----SOURCE CONTRIBUTION TABLE----
ANNUAL SUM
(MICROGRAMS PER CUBIC METER)
TOLEDO STRATEGY RUN

MAJOR POINT SOURCES

SOURCE	RECEPTOR 235	RECEPTOR 152	RECEPTOR 145	RECEPTOR 131	RECEPTOR 23	RECEPTOR 105	RECEPTOR 146	RECEPTOR 20	RECEPTOR 24	RECEPTOR 100
61	.15	.04	.04	.03	.07	.06	.04	.07	.05	.05
	.19%	.06%	.06%	.06%	.04%	.06%	.05%	.11%	.08%	.08%
62	.34	.07	.07	.07	.10	.08	.06	.10	.09	.09
	.44%	.10%	.09%	.14%	.19%	.12%	.09%	.15%	.14%	.13%
63	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
65	.01	.00	.00	.01	.01	.00	.00	.01	.00	.00
	.01%	.00%	.00%	.01%	.01%	.00%	.00%	.01%	.01%	.01%
66	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.01%	.00%	.00%	.01%	.01%	.00%	.00%	.01%	.00%	.00%
67	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.01%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
68	.03	.02	.02	.03	.04	.02	.01	.04	.02	.02
	.05%	.02%	.02%	.03%	.06%	.02%	.02%	.06%	.03%	.03%
69	.04	.02	.03	.03	.04	.02	.01	.04	.02	.02
	.05%	.02%	.02%	.04%	.05%	.02%	.02%	.05%	.03%	.03%
70	.10	.07	.05	.11	.10	.07	.05	.15	.07	.06
	.13%	.09%	.07%	.13%	.12%	.08%	.07%	.22%	.10%	.09%
71	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
72	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
73	.06	.07	.05	.07	.09	.06	.07	.10	.09	.06
	.08%	.09%	.07%	.09%	.11%	.08%	.11%	.14%	.13%	.08%
74	24.03	.14	.11	.09	.17	.13	.10	.21	.19	.08
	34.60%	.18%	.15%	.12%	.23%	.18%	.23%	.31%	.28%	.12%
75	.24	.12	.09	.08	.13	.09	.06	.21	.08	.09
	.36%	.15%	.12%	.11%	.17%	.12%	.15%	.29%	.09%	.14%

---SOURCE CONTRIBUTION TABLE---

(MICROGRAMS PER CUBIC METER)

LONG STANDBY RUN

EXPRESS POINT SOURCES

SOURCE	RECEPTOR (0,0)	RECEPTOR (0,50)	RECEPTOR (0,100)	RECEPTOR (0,150)	RECEPTOR (0,200)	RECEPTOR (50,0)	RECEPTOR (50,50)	RECEPTOR (50,100)	RECEPTOR (50,150)	RECEPTOR (50,200)	RECEPTOR (100,0)	RECEPTOR (100,50)	RECEPTOR (100,100)	RECEPTOR (100,150)	RECEPTOR (100,200)
76	.08	.12	.09	.06	.13	.08	.11	.13	.10	.09					
	.36%	.13%	.12%	.11%	.17%	.12%	.15%	.19%	.09%	.14%					
77	.09	.13	.08	.07	.15	.07	.11	.20	.05	.09					
	.44%	.17%	.11%	.09%	.22%	.10%	.16%	.29%	.12%	.12%					
78	.09	.13	.09	.07	.15	.07	.11	.20	.05	.09					
	.44%	.17%	.11%	.09%	.22%	.10%	.16%	.29%	.12%	.12%					
79	.14	.06	.04	.03	.06	.04	.05	.07	.03	.05					
	.17%	.07%	.05%	.05%	.09%	.06%	.06%	.10%	.04%	.07%					
80	.20	.15	.10	.15	.17	.09	.06	.23	.20	.10					
	.25%	.20%	.25%	.20%	.25%	.13%	.08%	.35%	.30%	.14%					
81	.20	.15	.10	.14	.17	.09	.06	.23	.20	.10					
	.25%	.20%	.25%	.20%	.25%	.13%	.08%	.33%	.28%	.14%					
82	.09	.11	.13	.12	.11	.07	.03	.13	.21	.06					
	.11%	.14%	.17%	.15%	.15%	.09%	.04%	.19%	.31%	.10%					
83	.09	.11	.13	.12	.11	.07	.03	.13	.21	.06					
	.11%	.14%	.17%	.15%	.15%	.09%	.04%	.19%	.31%	.10%					
84	.09	.11	.12	.11	.10	.06	.03	.12	.20	.06					
	.11%	.14%	.16%	.13%	.14%	.08%	.04%	.18%	.29%	.09%					
85	.09	.11	.12	.11	.10	.06	.03	.12	.20	.05					
	.11%	.14%	.16%	.13%	.14%	.08%	.04%	.18%	.29%	.08%					
86	.09	.11	.12	.11	.10	.06	.03	.12	.20	.06					
	.11%	.14%	.16%	.13%	.14%	.08%	.04%	.18%	.30%	.09%					
87	.04	.05	.06	.04	.04	.03	.02	.05	.09	.03					
	.04%	.06%	.07%	.06%	.06%	.04%	.02%	.07%	.14%	.04%					
88	.03	.04	.05	.04	.04	.03	.02	.05	.07	.03					
	.04%	.05%	.07%	.06%	.06%	.04%	.02%	.07%	.14%	.04%					
89	.03	.04	.05	.04	.04	.03	.02	.05	.07	.03					
	.04%	.05%	.07%	.06%	.06%	.04%	.02%	.07%	.14%	.04%					
90	.03	.05	.11	.10	.07	.09	.06	.06	.09	.10					
	.04%	.10%	.14%	.21%	.14%	.13%	.08%	.09%	.07%	.19%					

----SOURCE CONTRIBUTION TABLE----
ANNUAL SO2
(MICROGRAM PER CUBIC METER)
TOLEDO STRATEGY RUN

FROM POINT SOURCES

SOURCE	RECEPTOR 238	RECEPTOR 159	RECEPTOR 146	RECEPTOR 131	RECEPTOR 21	RECEPTOR 105	RECEPTOR 146	RECEPTOR 20	RECEPTOR 24	RECEPTOR 100
91	.06	.19	.27	.40	.16	.24	.14	.14	.11	.27
	.06%	.24%	.35%	.54%	.22%	.33%	.20%	.21%	.16%	.41%
92	.06	.19	.27	.40	.16	.24	.14	.14	.11	.27
	.06%	.24%	.35%	.54%	.22%	.33%	.20%	.21%	.16%	.41%
93	.07	.03	.02	.02	.03	.02	.02	.03	.01	.02
	.09%	.03%	.03%	.02%	.04%	.03%	.03%	.05%	.02%	.03%
94	.07	.03	.02	.02	.03	.02	.02	.03	.01	.02
	.09%	.03%	.03%	.02%	.04%	.03%	.03%	.05%	.02%	.03%
95	.07	.03	.02	.02	.03	.02	.02	.03	.01	.02
	.09%	.03%	.03%	.02%	.04%	.03%	.03%	.05%	.02%	.03%
96	.04	.02	.02	.01	.02	.02	.02	.02	.01	.01
	.06%	.02%	.02%	.02%	.03%	.02%	.03%	.03%	.02%	.02%
97	.00	.03	.03	.01	.05	.01	.01	.02	.01	.01
	.00%	.04%	.04%	.01%	.07%	.02%	.01%	.04%	.02%	.01%
98	.02	.05	.06	.08	.04	.07	.03	.04	.04	.06
	.02%	.06%	.08%	.11%	.06%	.10%	.05%	.05%	.05%	.09%
99	.02	.05	.06	.08	.04	.07	.03	.04	.04	.06
	.02%	.06%	.08%	.11%	.06%	.10%	.05%	.05%	.05%	.09%
100	.05	.14	.19	.26	.13	.22	.11	.11	.11	.18
	.07%	.18%	.25%	.35%	.17%	.31%	.15%	.17%	.17%	.26%
101	.02	.03	.03	.03	.03	.04	.05	.03	.07	.04
	.02%	.04%	.04%	.04%	.04%	.06%	.07%	.04%	.10%	.06%
102	.02	.03	.03	.03	.03	.04	.05	.03	.07	.04
	.02%	.04%	.04%	.04%	.04%	.06%	.07%	.04%	.10%	.06%
103	.02	.03	.03	.03	.03	.04	.05	.03	.07	.04
	.02%	.04%	.04%	.04%	.04%	.06%	.07%	.04%	.10%	.06%
104	.00	.01	.00	.00	.01	.00	.01	.01	.01	.00
	.01%	.01%	.00%	.00%	.01%	.00%	.01%	.01%	.01%	.00%
105	.00	.01	.00	.00	.01	.00	.01	.01	.01	.00
	.01%	.01%	.00%	.00%	.01%	.00%	.01%	.01%	.01%	.00%

----SOURCE CONTRIBUTION TABLE----

[illegible]

[illegible]

[illegible]

FROM POINT SOURCES

SOURCE	RECEPTOR 230	RECEPTOR 109	RECEPTOR 145	RECEPTOR 131	RECEPTOR 2[illegible]	RECEPTOR 165	RECEPTOR 146	RECEPTOR 20	RECEPTOR 24	RECEPTOR 100
106	.03 .04%	.06 .07%	.02 .03%	.02 .02%	.06 .08%	.02 .03%	.04 .06%	.04 .06%	.07 .10%	.02 .03%
107	.03 .04%	.07 .09%	.03 .04%	.02 .03%	.07 .09%	.02 .03%	.05 .07%	.04 .07%	.08 .12%	.02 .03%
108	.02 .03%	.02 .02%	.01 .02%	.01 .01%	.02 .02%	.01 .02%	.02 .03%	.03 .05%	.03 .04%	.01 .02%
109	.02 .03%	.02 .02%	.01 .02%	.01 .01%	.02 .02%	.01 .02%	.02 .03%	.03 .05%	.03 .04%	.01 .02%
110	.01 .01%	.04 .05%	.02 .03%	.02 .03%	.03 .04%	.02 .03%	.05 .07%	.02 .03%	.04 .05%	.03 .04%
111	.01 .01%	.04 .05%	.02 .03%	.02 .03%	.03 .04%	.02 .03%	.05 .07%	.02 .03%	.04 .05%	.03 .04%
112	.00 .00%	.01 .02%	.01 .01%	.01 .01%	.01 .01%	.01 .01%	.02 .03%	.01 .01%	.01 .02%	.01 .02%
113	.01 .01%	.02 .03%	.01 .01%	.01 .01%	.02 .03%	.01 .01%	.01 .02%	.01 .02%	.02 .03%	.01 .01%
114	.01 .01%	.02 .03%	.01 .01%	.01 .01%	.02 .03%	.01 .01%	.01 .02%	.01 .02%	.02 .03%	.01 .01%
115	.01 .01%	.02 .03%	.01 .01%	.01 .01%	.02 .03%	.01 .01%	.01 .02%	.01 .02%	.02 .03%	.01 .01%
116	.01 .01%	.06 .07%	.04 .05%	.03 .04%	.06 .08%	.04 .06%	.02 .03%	.04 .06%	.03 .05%	.03 .04%
117	.01 .01%	.06 .07%	.04 .05%	.03 .04%	.06 .08%	.04 .06%	.02 .03%	.04 .06%	.03 .05%	.03 .04%
118	.01 .01%	.06 .07%	.04 .05%	.03 .04%	.06 .08%	.04 .06%	.02 .03%	.04 .06%	.03 .05%	.03 .04%
119	.01 .01%	.00 .00%	.00 .00%	.00 .00%	.00 .01%	.00 .00%	.00 .00%	.01 .01%	.00 .00%	.00 .00%
120	.01 .01%	.00 .00%	.00 .00%	.00 .00%	.00 .01%	.00 .00%	.00 .00%	.01 .01%	.00 .00%	.00 .00%

----SOURCE CONTRIBUTION TABLE----
ANNUAL 502
[illegible] PER CUBIC METER)
[illegible] STRATEGY RUN

PROD POINT SOURCES

SOURCE	RECEPTOR 138	RECEPTOR 139	RECEPTOR 145	RECEPTOR 151	RECEPTOR 23	RECEPTOR 105	RECEPTOR 146	RECEPTOR 20	RECEPTOR 24	RECEPTOR 100
121	.01	.00	.00	.00	.00	.00	.00	.01	.00	.00
	.01%	.00%	.00%	.00%	.01%	.00%	.00%	.01%	.00%	.00%
122	.01	.00	.00	.00	.00	.00	.00	.01	.00	.00
	.01%	.00%	.00%	.00%	.01%	.00%	.00%	.01%	.00%	.00%
123	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
124	.01	.01	.01	.01	.01	.01	.00	.02	.01	.01
	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.04%	.01%	.01%
125	.05	.05	.09	.09	.06	.09	.08	.06	.07	.09
	.06%	.06%	.11%	.12%	.08%	.12%	.11%	.09%	.11%	.13%
126	.09	.06	.06	.05	.06	.06	.07	.06	.08	.06
	.11%	.08%	.07%	.07%	.08%	.08%	.10%	.09%	.11%	.09%
127	.40	.15	.14	.14	.15	.14	.17	.16	.19	.14
	.51%	.19%	.18%	.18%	.21%	.20%	.24%	.23%	.28%	.21%
128	.40	.15	.14	.14	.15	.14	.17	.16	.19	.14
	.51%	.19%	.18%	.18%	.21%	.20%	.24%	.23%	.28%	.21%
129	.38	.14	.13	.13	.15	.14	.16	.15	.18	.13
	.48%	.18%	.17%	.18%	.20%	.19%	.23%	.22%	.27%	.20%
130	.03	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.04%	.02%	.02%	.01%	.02%	.02%	.02%	.02%	.02%	.02%
131	.37	.43	.42	.41	.36	.41	.43	.36	.44	.41
	.47%	.54%	.56%	.55%	.48%	.57%	.61%	.52%	.65%	.61%
132	.37	.43	.42	.41	.36	.41	.43	.36	.44	.41
	.47%	.54%	.56%	.55%	.48%	.57%	.61%	.52%	.65%	.61%
133	.06	.04	.04	.04	.04	.04	.05	.04	.05	.04
	.06%	.05%	.05%	.05%	.06%	.06%	.07%	.06%	.08%	.06%
134	.02	.01	.01	.01	.01	.01	.00	.01	.01	.01
	.02%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
135	.02	.01	.01	.01	.01	.01	.00	.01	.01	.01
	.02%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%

----SOURCE CONTRIBUTION TABLE----

ANNUAL SO2

(MICROGRAMS PER CUBIC METER)

TOLEDO STRATEGY RUN

RECEPTOR POINT SOURCES***

SOURCE	RECEPTOR 234	RECEPTOR 109	RECEPTOR 145	RECEPTOR 131	RECEPTOR 23	RECEPTOR 105	RECEPTOR 146	RECEPTOR 20	RECEPTOR 24	RECEPTOR 100
136	.02	.01	.01	.01	.01	.01	.00	.01	.01	.01
	.02%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
137	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01
	.03%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%	.01%
138	.15	.06	.06	.07	.10	.07	.05	.11	.07	.06
	.19%	.08%	.08%	.10%	.14%	.09%	.07%	.15%	.10%	.09%
139	.15	.05	.05	.06	.10	.06	.04	.09	.06	.05
	.19%	.06%	.07%	.09%	.11%	.06%	.06%	.13%	.09%	.06%
140	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
141	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%	.00%
142	.09	.03	.29	.10	.17	.24	.18	.15	.15	.13
	.11%	.04%	.39%	.25%	.23%	.41%	.26%	.22%	.23%	.19%
143	.14	.06	.49	.31	.20	.49	.31	.20	.25	.21
	.17%	.08%	.65%	.41%	.30%	.86%	.44%	.37%	.37%	.32%
144	.16	.42	.53	.33	.31	.53	.34	.28	.28	.23
	.20%	.53%	.71%	.44%	.41%	.74%	.48%	.41%	.41%	.35%

FROM AREA SOURCES

WIND SECTOR	RECEPTOR 238	RECEPTOR 159	RECEPTOR 145	RECEPTOR 131	RECEPTOR 23	RECEPTOR 105	RECEPTOR 146	RECEPTOR 20	RECEPTOR 24	RECEPTOR 100
N	.18 .22%	2.65 3.35%	3.06 4.05%	3.27 4.30%	2.00 2.69%	2.44 3.38%	2.00 2.85%	1.41 2.05%	.94 1.39%	2.34 3.52%
NNE	.09 .11%	1.19 1.51%	1.79 2.39%	2.02 2.70%	1.17 1.56%	1.39 1.92%	1.15 1.64%	.60 .87%	.28 .41%	1.16 1.74%
NE	.05 .07%	1.45 1.84%	1.94 2.58%	2.50 3.34%	1.32 1.77%	2.00 2.77%	1.14 1.62%	.71 1.03%	.34 .50%	1.55 2.32%
ENE	.08 .10%	1.96 2.42%	2.60 3.45%	2.89 3.86%	1.67 2.25%	2.69 3.72%	2.19 3.11%	.83 1.20%	.61 .90%	2.51 3.77%
E	.06 .08%	2.63 3.57%	2.97 3.95%	3.37 4.50%	2.13 2.88%	3.37 4.66%	3.36 4.78%	1.34 1.95%	1.51 2.24%	3.63 5.45%
ESE	.04 .05%	1.99 2.51%	1.82 2.42%	2.51 3.33%	1.36 1.84%	2.32 3.22%	2.83 3.60%	1.07 1.55%	1.72 2.54%	2.48 3.72%
SE	.04 .06%	1.80 2.28%	1.43 1.90%	1.82 2.44%	1.17 1.56%	1.65 2.56%	2.35 3.35%	1.02 1.48%	1.85 2.74%	2.13 3.19%
SSE	.07 .09%	2.57 3.25%	1.83 2.43%	2.46 3.28%	2.17 2.93%	2.58 3.99%	3.11 4.42%	1.77 2.56%	2.96 4.38%	2.71 4.07%
S	.23 .29%	4.76 6.02%	5.00 6.65%	4.63 6.19%	3.90 5.26%	5.44 7.54%	6.57 9.36%	4.15 6.06%	5.98 8.85%	4.73 7.10%
SSW	.49 .62%	4.82 6.10%	4.78 6.36%	3.93 5.25%	3.91 5.27%	4.46 6.18%	4.78 6.80%	2.79 4.03%	5.09 9.03%	3.36 5.49%
SW	2.21 2.79%	7.65 9.68%	6.82 9.06%	5.18 6.93%	7.38 9.95%	4.64 6.42%	5.14 7.31%	5.72 8.29%	6.26 9.27%	3.76 5.64%
WSW	3.91 4.94%	6.69 8.46%	5.95 7.92%	4.13 5.51%	7.66 10.33%	5.42 7.51%	4.48 6.38%	7.43 10.75%	5.02 7.44%	4.64 6.97%
W	2.98 3.77%	6.25 7.90%	5.39 7.17%	5.22 6.97%	6.40 8.71%	4.63 6.42%	3.96 5.64%	7.01 10.14%	5.07 7.50%	3.70 5.55%
WNW	.67 .85%	3.54 4.47%	2.65 3.52%	3.02 4.03%	3.32 4.47%	2.15 2.98%	2.06 2.93%	3.78 5.48%	2.58 3.82%	1.92 2.89%
NW	.38 .48%	2.75 3.48%	2.11 2.81%	2.50 3.35%	2.92 3.40%	1.77 2.45%	1.91 2.71%	2.61 3.78%	1.37 2.04%	1.75 2.62%
NNW	.23 .29%	2.41 3.05%	1.92 2.56%	2.22 2.96%	1.70 2.29%	1.53 2.12%	1.31 1.87%	1.49 2.16%	1.00 1.48%	1.87 2.81%

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APPENDIX A

Urban RAM Counties

Akron

Canton

Cleveland

Columbus

Dayton

Toledo

STATUS QUO

AKRON RAM
STATUS QUO

```
*DELETE.C AKRON-CD-PRE.
FORPUR 0026-07/14-18:23

*CAT.P AKRON-CD-PRE.
READY

*ASG.A AKRON-CD-PRE.
READY

*USE 9.,AKRON-CD-PRE.
READY

*GET PRANGS.60
          CRITICAL DAY RAM ANALYSIS, AKRON, (14 JULY 70)
```

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	447.80	4539.40	690.40	.00	85.3	436.0	3.0	11.7	.7930-03	270.84
2	447.80	4539.60	447.00	.00	55.3	436.0	3.0	7.1	.7274-03	222.35
3	447.80	4539.60	1516.00	.00	99.7	461.0	4.6	8.5	.1007-02	372.29
4	459.70	4545.20	253.40	.00	76.2	436.0	3.1	6.2	.4713-03	205.93
5	459.70	4545.20	253.40	.00	76.2	436.0	3.1	6.2	.4713-03	205.93
6	459.70	4545.20	126.30	.00	71.6	449.0	3.7	2.2	.4015-03	153.28
7	459.70	4545.20	147.10	.00	76.2	406.0	3.7	1.6	.6293-03	130.23
8	459.70	4545.20	5.60	.00	45.1	477.0	.5	2.2	.1473-03	49.41
9	455.20	4544.20	218.10	.00	77.7	477.0	4.3	5.2	.2505-03	270.85
10	455.20	4544.20	334.10	.00	68.6	436.0	2.8	14.7	.4015-03	263.97
11	455.20	4544.20	334.10	.00	68.6	436.0	2.8	14.7	.4015-03	263.97
12	455.80	4546.70	78.10	.00	76.2	529.0	4.9	1.8	.1465-03	204.94
13	455.80	4544.70	153.00	.00	76.2	529.0	4.9	1.8	.2870-03	204.94
14	455.80	4544.70	137.40	.00	76.2	507.0	4.9	2.6	.2059-03	242.81
15	457.40	4546.00	327.00	.00	76.2	487.0	4.3	3.1	.5432-03	219.46
16	454.40	4543.50	43.60	.00	53.3	616.0	1.1	11.4	.2347-03	114.81
17	454.40	4543.50	43.60	.00	53.3	616.0	1.1	11.4	.2347-03	114.81
18	454.40	4543.50	43.60	.00	53.3	616.0	1.1	11.4	.2347-03	114.81
19	454.40	4543.50	43.60	.00	53.3	616.0	1.1	11.4	.2347-03	114.81
20	456.60	4548.50	103.40	.00	53.3	552.0	3.1	5.0	.2088-03	196.58
21	456.60	4546.50	149.80	.00	53.3	514.0	3.1	5.0	.3254-03	188.89
22	456.60	4546.50	130.90	.00	53.3	477.0	3.1	5.0	.3159-03	176.29
23	445.30	4540.40	75.10	.00	76.3	421.0	3.7	8.2	.9232-04	260.60
24	455.40	4543.90	89.10	.00	38.1	472.0	1.5	11.6	.4698-03	116.13
25	447.30	4549.70	21.70	.00	24.4	350.0	1.1	5.0	.9368-03	38.24
26	435.50	4541.20	3.60	.00	33.5	464.0	1.7	4.0	.4279-04	74.99
27	458.00	4550.00	93.30	.00	24.4	450.0	1.2	4.0	.2594-02	48.02
28	458.00	4550.00	93.30	.00	24.4	450.0	1.2	4.0	.2594-02	48.02
29	458.00	4550.00	.26	.00	6.7	450.0	.6	4.0	.6940-04	15.05
30	448.20	4546.40	14.80	.00	45.7	533.0	1.8	4.0	.1060-03	98.23

31	448.20	4540.40	14.80	.00	45.7	533.0	1.8	4.0	.1060-03	98.23
32	448.60	4540.90	13.50	.00	16.5	505.0	1.3	4.0	.3897-03	47.09
33	448.00	4540.90	13.50	.00	20.4	505.0	1.3	4.0	.3334-03	50.99
34	442.40	4549.10	4.00	.00	21.3	422.0	1.8	3.0	.9189-04	52.97
35	442.40	4549.10	3.00	.00	21.3	422.0	1.8	4.0	.5334-04	60.59
36	436.80	4544.90	2.00	.00	15.0	450.0	1.0	4.0	.1150-03	32.97
37	458.80	4551.60	436.30	.00	83.8	467.0	3.4	11.2	.3892-03	313.15
38	458.80	4551.60	436.30	.00	83.8	446.0	3.4	11.2	.4138-03	302.06
39	451.80	4577.30	26.50	.00	53.3	443.0	3.1	5.0	.7454-04	163.92
40	453.10	4573.60	52.50	.00	23.5	561.0	2.1	5.0	.3210-03	107.07
41	453.10	4573.60	22.70	.00	23.5	561.0	2.1	5.0	.1388-03	107.07
42	453.10	4573.60	22.70	.00	23.5	561.0	2.1	5.0	.1388-03	107.07
43	452.90	4570.90	19.00	.00	11.0	589.0	1.5	5.0	.3108-03	63.30
44	452.90	4570.90	19.00	.00	11.0	589.0	1.5	5.0	.3108-03	63.30
45	452.90	4570.90	42.20	.00	11.0	589.0	1.5	5.0	.6903-03	63.30

AREA SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2 EMISSIONS (GRAMS/SQ. M/SEC)	PART EMISSIONS	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	437.0	4538.0	3.5562-07	0.0000	4.0	20.0	1.4225-03
2	437.0	4542.0	9.5250-07	0.0000	2.0	20.0	1.9050-03
3	437.0	4544.0	5.7500-05	0.0000	2.0	20.0	1.1500-04
4	439.0	4542.0	2.4000-07	0.0000	4.0	20.0	9.6000-04
5	439.0	4544.0	2.8750-08	0.0000	4.0	20.0	1.1500-04
6	441.0	4535.0	3.5600-07	0.0000	5.0	20.0	1.7500-03
7	441.0	4540.0	0.0000	0.0000	2.0	20.0	0.0000
8	465.0	4532.0	6.1040-07	0.0000	5.0	20.0	3.0920-03
9	470.0	4532.0	3.2480-07	0.0000	5.0	20.0	1.6240-03
10	475.0	4530.0	1.6020-07	0.0000	7.0	20.0	1.1214-03
11	482.0	4533.0	1.7562-07	0.0000	4.0	20.0	7.0250-04
12	443.0	4540.0	4.5875-07	0.0000	4.0	20.0	1.8350-03
13	443.0	4544.0	.7750-07	0.0000	2.0	20.0	9.5500-04
14	443.0	4546.0	3.4437-07	0.0000	4.0	20.0	1.3775-03
15	443.0	4550.0	1.5875-07	0.0000	4.0	20.0	6.3500-04
16	443.0	4554.0	1.3750-07	0.0000	4.0	20.0	5.5000-04
17	443.0	4558.0	1.2500-09	0.0000	4.0	20.0	5.0000-06
18	445.0	4533.0	5.2250-07	0.0000	2.0	20.0	1.0450-03
19	445.0	4538.0	2.0100-06	0.0000	1.0	20.0	2.0100-03
20	446.0	4539.0	2.6100-06	0.0000	1.0	20.0	2.0100-03
21	445.0	4544.0	1.6700-06	0.0000	2.0	20.0	2.1400-03
22	446.0	4535.0	0.0000	0.0000	1.0	20.0	0.0000
23	448.0	4536.0	9.7500-08	0.0000	2.0	20.0	1.9500-04
24	447.0	4533.0	5.4111-07	0.0000	3.0	20.0	1.6233-03
25	447.0	4538.0	9.1500-07	0.0000	2.0	20.0	1.8300-03
26	447.0	4540.0	2.7281-06	0.0000	4.0	20.0	1.0912-02
27	447.0	4544.0	9.5000-08	0.0000	4.0	20.0	3.8000-04
28	447.0	4546.0	4.7312-07	0.0000	4.0	20.0	1.8925-03
29	447.0	4552.0	1.5625-06	0.0000	2.0	20.0	3.1250-03
30	447.0	4554.0	2.4781-07	0.0000	8.0	20.0	1.9825-03
31	448.0	4536.0	2.5000-09	0.0000	2.0	20.0	5.0000-06
32	449.0	4529.0	1.7125-07	0.0000	4.0	20.0	6.8500-04
33	449.0	4538.0	1.8925-05	0.0000	2.0	20.0	3.7850-03
34	449.0	4552.0	1.5450-06	0.0000	2.0	20.0	3.0900-03
35	450.0	4533.0	3.5889-07	0.0000	3.0	20.0	1.0767-03
36	450.0	4536.0	1.5250-07	0.0000	2.0	20.0	3.0500-04
37	451.0	4538.0	8.3313-07	0.0000	4.0	20.0	3.3325-03
38	451.0	4542.0	2.0600-06	0.0000	1.0	20.0	2.0300-03
39	451.0	4543.0	0.0000	0.0000	1.0	20.0	0.0000
40	451.0	4544.0	2.3250-06	0.0000	2.0	20.0	4.6500-03
41	451.0	4546.0	4.5012-06	0.0000	4.0	20.0	1.8005-02
42	451.0	4550.0	1.9506-06	0.0000	4.0	20.0	7.8025-03
43	452.0	4533.0	6.2000-07	0.0000	2.0	20.0	1.6400-03
44	452.0	4542.0	1.2300-06	0.0000	1.0	20.0	1.2300-03
45	452.0	4543.0	6.8900-06	0.0000	1.0	20.0	6.8900-03
46	453.0	4529.0	2.6571-07	0.0000	7.0	20.0	1.8600-03
47	453.0	4542.0	8.2000-07	0.0000	1.0	20.0	8.2000-04
48	453.0	4543.0	3.5300-06	0.0000	3.0	20.0	1.0590-02
49	454.0	4536.0	1.2950-06	0.0000	2.0	20.0	2.5900-03

50	454.0	4542.0	2.0400-06	0.0000	1.0	20.0	2.0400-03
51	455.0	4538.0	3.5312-07	0.0000	4.0	20.0	1.4125-03
52	455.0	4542.0	4.1400-06	0.0000	1.0	20.0	4.1400-03
53	455.0	4546.0	3.1463-06	0.0000	4.0	20.0	1.2585-02
54	455.0	4550.0	2.0077-06	0.0000	8.0	20.0	1.6061-02
55	455.0	4558.0	6.2500-08	0.0000	4.0	20.0	2.5000-04
56	456.0	4536.0	1.0500-06	0.0000	2.0	20.0	2.1000-03
57	456.0	4542.0	4.3644-06	0.0000	4.0	20.0	1.7457-02
58	458.0	4545.0	7.5250-07	0.0000	2.0	20.0	1.5050-03
59	459.0	4538.0	8.7750-07	0.0000	2.0	20.0	1.7550-03
60	459.0	4540.0	1.1975-06	0.0000	2.0	20.0	2.3950-03
61	459.0	4546.0	2.1894-06	0.0000	4.0	20.0	8.7575-03
62	459.0	4558.0	3.4312-07	0.0000	4.0	20.0	1.3725-03
63	460.0	4528.0	1.2000-09	0.0000	5.0	20.0	6.0000-06
64	460.0	4533.0	3.8040-07	0.0006	5.0	20.0	1.9020-03
65	460.0	4542.0	1.5650-06	0.0000	2.0	20.0	3.1300-03
66	460.0	4544.0	2.1050-06	0.0000	2.0	20.0	4.2100-03
67	461.0	4535.0	2.5000-09	0.0000	2.0	20.0	5.0000-06
68	461.0	4546.0	4.9750-07	0.0000	2.0	20.0	9.9500
69	462.0	4542.0	1.9625-06	0.0000	2.0	20.0	3.925[illegible]
70	462.0	4544.0	5.0925-06	0.0000	2.0	20.0	1.0185-02
71	463.0	4538.0	6.4312-07	0.0000	4.0	20.0	2.5725-03
72	463.0	4546.0	1.0512-06	0.0000	4.0	20.0	4.2050-03
73	463.0	4550.0	4.3563-07	0.0000	4.0	20.0	1.7425-03
74	463.0	4554.0	9.5000-07	0.0000	4.0	20.0	3.8000-03
75	463.0	4558.0	3.9062-07	0.0000	4.0	20.0	1.5625-03
76	464.0	4542.0	1.4900-06	0.0000	2.0	20.0	2.9800-03
77	464.0	4544.0	1.4250-06	0.0000	2.0	20.0	2.8500-03
78	466.0	4542.0	1.8900-06	0.0000	1.0	20.0	1.8900-03
79	466.0	4543.0	3.4600-06	0.0000	1.0	20.0	3.4600-03
80	466.0	4544.0	2.1000-06	0.0000	1.0	20.0	2.1000-03
81	466.0	4545.0	0.0000	0.0000	1.0	20.0	0.0000
82	467.0	4540.0	1.6062-07	0.0000	4.0	20.0	6.4250-04
83	467.0	4544.0	1.0125-07	0.0000	4.0	20.0	4.0500-04
84	467.0	4548.0	2.6812-07	0.0000	4.0	20.0	1.1525-03
85	467.0	4552.0	3.1111-07	0.0000	3.0	20.0	9.3333-04
86	467.0	4555.0	7.3444-07	0.0000	3.0	20.0	2.2033-03
87	467.0	4558.0	2.3000-07	0.0000	3.0	20.0	6.9000-04
88	470.0	4558.0	5.3650-06	0.0000	2.0	20.0	1.0730-02
89	470.0	4554.0	2.9750-06	0.0000	2.0	20.0	5.9500-03
90	470.0	4558.0	1.5500-07	0.0000	2.0	20.0	3.1000-04
91	471.0	4542.0	7.5200-08	0.0000	5.0	20.0	3.7600-04
92	471.0	4547.0	2.8000-08	0.0000	5.0	20.0	1.4000-04
93	472.0	4558.0	5.8750-08	0.0000	4.0	20.0	2.3500-04
94	476.0	4541.0	1.4937-07	0.0000	4.0	20.0	5.9750-04
95	476.0	4549.0	1.4563-07	0.0000	4.0	20.0	5.8250-04
96	476.0	4553.0	5.2500-07	0.0000	6.0	20.0	3.1500-03
97	480.0	4541.0	9.1675-08	0.0000	4.0	20.0	3.6750-04
98	480.0	4549.0	1.9000-07	0.0000	4.0	20.0	7.6000-04

THE ORIGIN IN INTERNAL UNITS IS(437. 4528)
THE SIZE OF THE AREA SOURCE ARRAY IS (49. 34)
XMIN= 437.00 XMAX= 486.00 YMIN= 4528.00 YMAX= 4562.00

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AKRON TEST STRATEGY I

1	447.8	4539.4	168.03	.00	85.3	436.	3.	11.7
2	447.8	4539.5	115.89	.00	85.	436.	3.	7.1
3	447.8	4539.60	351.09	.00	99.7	461.	4.6	8.5
4	459.7	4545.2	41.45	.00	76.2	436.	3.	6.2
5	459.7	4545.2	41.45	.00	76.2	436.	3.1	6.2
6	459.7	4545.2	22.75	.00	71.6	449.	3.7	2.2
7	459.7	4545.2	24.07	.00	76.2	406.	3.7	1.6
8	459.7	4545.2	5.60	.00	45.1	477.	.5	2.2
9	455.2	4544.2	67.47	.00	77.7	477.	4.3	5.2
10	455.2	4544.2	103.47	.00	68.6	436.	2.8	14.7
11	455.2	4544.2	103.47	.00	68.6	436.	2.8	14.7
12	455.6	4546.7	29.92	.00	76.2	629.	4.9	1.
13	455.6	4544.7	58.70	.00	76.2	529.	4.9	1.8
14	455.6	4544.7	52.67	.00	76.2	507.	4.9	.6
15	459.	4546.	117.31	.00	76.2	487.	4.3	3.1
16	454.	-3.5	33.1	.00	53.3	616.	1.1	11.
17	454	3.5	33.1	.00	53.3	616.	1.1	11.
18	45	3.5	33.1	.00	53.3	616.	1.1	11.
19	45	3.5	33.1	.00	53.3	616.	1.1	11.
20	456.6	8.5	103.40	.00	53.3	552.	1.1	13.
21	456.6	8.5	149.80	.00	53.3	514.	1.1	12.
22	456.6	3.5	130.9	.00	53.3	477.	1.1	13.
23	45.3	0.4	75.1	.00	76.3	421.	3.7	.2
24	454.	4543.9	42.75	.00	38.1	472.	1.5	11.
25	7.	4549.7	21.7	.00	24.4	350.	1.1	5.
26	38.5	2	24.96	.00	33.5	464.	1.7	9.
27	58.		9.45	.00	24.4	450.	1.	4.
28	58.		9.45	.00	24.4	450.	1.2	4.
29	58.		.26	.00	6.7	450.	.6	1.
30	48.2		15.5	.00	45.7	533.	1.8	4.
31	8 2		15.5	.00	45.7	533.	1.8	4.
32	8	4540.9	14.36	.00	16.5	505.	1.3	8.
33	8	4540.9	14.36	.00	20.4	505.	1.3	8.

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CRITICAL DAY [illegible] ANALYSIS. AKRON TEST STRATEGY 1. ([illegible])
EMISSIONS: [illegible], 1973
DET. DATA- SEC: [illegible]; [illegible]: PITTSBURG, 1969.

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)
34	442.40	4549.10	4.00	.00	21.3	422.0	1.8	3.0
35	442.40	4549.10	3.00	.00	21.3	422.0	1.8	4.0
36	466.80	4544.90	2.00	.00	15.0	450.0	1.0	4.0
37	458.80	4551.80	180.60	.00	83.8	467.0	3.4	11.2
38	468.80	4551.80	180.60	.00	83.8	446.0	3.4	11.2
39	451.80	4577.50	19.97	.00	53.3	443.0	3.1	5.0
40	453.10	4573.50	49.89	.00	23.5	561.0	2.1	5.0
41	453.10	4573.50	30.28	.00	23.5	561.0	2.1	5.0
42	453.10	4573.50	30.28	.00	23.5	561.0	2.1	5.0
43	452.90	4570.90	7.28	.00	11.0	589.0	1.5	5.0
44	452.90	4570.90	4.49	.00	11.0	589.0	1.5	5.0
45	452.90	4570.90	7.67	.00	11.0	589.0	1.5	5.0

CRITICAL DAY RAM ANALYSIS, CANTON: STARK CTY DAY 189 (7 JUL 76)
EMISSIONS: CANTON, 1974
MET. DATA- SFC: AKRON, 1964; UPPER AIR: PITTSBURGH, 1964.

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)
1	455.90	4513.80	193.20	.00	89.9	516.0	5.7	.6
2	455.90	4513.80	8.50	.00	76.2	330.0	3.3	.4
3	455.90	4513.80	48.52	.00	92.7	561.0	1.9	3.1
4	457.20	4512.50	87.56	.00	61.0	561.0	2.7	4.0
5	490.40	4530.13	3.78	.00	57.9	450.0	4.0	.2
6	471.90	4517.90	12.17	.00	38.1	477.0	1.7	.2
7	471.70	4534.90	17.30	.00	45.7	469.0	1.5	1.9
8	466.10	4529.90	60.60	.00	53.3	450.0	2.4	2.5
9	467.50	4516.00	9.73	.00	25.9	422.0	1.4	1.3
10	466.50	4513.80	106.70	.00	50.0	575.0	3.3	8.9
11	466.50	4513.80	25.91	.00	26.8	569.0	1.4	11.7
12	466.50	4513.80	5.61	.00	14.5	553.0	1.2	10.6
13	466.50	4513.80	5.63	.00	16.5	553.0	1.2	10.6
14	466.50	4513.80	69.91	.00	56.4	533.0	1.8	7.0
15	466.50	4513.80	15.69	.00	18.3	589.0	1.6	6.7
16	459.90	4511.00	12.19	.00	9.1	505.0	.5	21.2
17	459.90	4511.00	12.19	.00	9.1	505.0	.5	21.2
18	470.20	4519.50	6.31	.00	15.2	339.0	.6	17.3
19	463.00	4519.50	11.25	.00	42.7	505.0	.9	4.2
20	472.20	4514.60	35.65	.00	24.4	523.0	1.8	7.1
21	472.20	4514.60	32.01	.00	20.7	561.0	1.2	14.1
22	472.20	4514.40	32.01	.00	20.7	561.0	1.2	14.1
23	491.90	4537.50	2.50	.00	45.4	547.0	2.1	5.6
24	463.20	4519.50	70.65	.00	62.5	581.0	3.1	3.8
25	478.90	4525.50	8.28	.00	35.1	477.0	1.0	.5
26	465.00	4513.90	1.31	.00	19.5	672.0	1.1	4.3
27	469.90	4513.90	50.07	.00	55.5	589.0	3.1	4.2
28	465.00	4513.90	3.58	.00	27.9	517.0	1.7	9.4
29	465.00	4513.90	6.17	.00	27.9	563.0	1.7	14.2
30	465.00	4513.90	4.81	.00	30.5	533.0	1.7	5.1
31	465.00	4513.90	4.12	.00	31.4	575.0	2.1	4.3
32	465.00	4513.90	10.05	.00	45.7	749.0	1.4	9.2
33	469.90	4513.60	9.24	.00	27.4	686.0	1.9	7.7
34	465.00	4513.60	17.99	.00	51.8	700.0	1.7	7.7
35	465.00	4513.60	18.54	.00	51.8	533.0	2.1	3.0
36	469.90	4513.30	30.91	.00	30.5	556.0	1.4	17.2
37	469.90	4513.90	9.98	.00	15.2	556.0	.8	18.5
38	469.90	4513.30	9.98	.00	15.2	556.0	.8	18.5
39	465.00	4513.60	40.89	.00	54.9	867.0	.6	14.8

RAM Full Year Can	Source Full Year Can-1	No. Critical Day S.Q. TS1	TS2 TS3	Source Name	Final Strategy Emission Rate Q (g SO_2/sec)
1	-	1	-	Republic Steel B001-6	186.4
2	-	2	-	Republic Steel P028	8.5
3	-	3	-	Republic Steel B001-2	41.06
4	-	4	-	Massilon State Hospital	87.21
5	-	5	-	Transue & Williams	31.53
6	-	6	-	Sugardale Foods	23.96
7	-	7	-	Teledyne-Monarch Rubber	14.57
8	-	8	-	Hoover	57.75
9	-	9	-	Akco	10.79
10	-	10	1	Timken Gambinus B001-2	31.07
11	-	11	2	Timken Gambinus B003	12.29
12	-	12	3	Timken Gambinus Plant #5 B021	2.72
13	-	13	4	Timken Gambinus Plant #5 B022	2.72
14	-	14	5	Timken Gambinus Plant B003-4	11.35
15	-	15	6	Timken Gambinus Plant B005	7.57
16	-	16	-	Grief Board	3.35
17	-	17	-	Grief Board	3.35
18	-	18	-	Canton Metal	6.31
19	-	19	-	Superior Dairy	15.38

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RAM Full Year Can	Source Full Year Can-1	No. Critical Day S.Q. TS1	TS2 TS3	Source Name	Final Strategy Emission Rate Q (g SO_2/sec)
20	-	20	-	Ford Motor Co.	17.05
21	-	21	-	Ford Motor Co.	16.15
22	-	22	-	Ford Motor Co.	16.15
23	-	23	-	Babcock & Wilcox	20.81
24	-	24	-	Canton Drop Farge	70.93
25	-	25	-	Molly Stark Hospital	8.31
-	1	26	7	Ashland Oil-Stack 1	1.34
-	2	27	8	Ashland Oil Stack 2	25.26
-	3	28	9	Ashland Oil Stack 3	3.77
-	4	29	10	Ashland Oil Stack 4	6.25
-	5	30	11	Ashland Oil Stack 5	4.93
-	6	31	12	Ashland Oil Stack 6	6.27
-	7	32	13	Ashland Oil Stack 7	4.56
-	8	33	14	Ashland Oil Stack 8	4.34
-	9	34	15	Ashland Oil Stack 9	8.14
-	10	35	16	Ashland Oil Stack 10	8.39
-	11	36	17	Ashland Oil Stack 11	15.59
-	12	37	18	Ashland Oil Stack 12	4.29
-	13	3	19	Ashland Oil Stack 13	4.29
-	14	39	20	Ashland Oil Stack 14	30.97

CRITICAL DAY HAM ANALYSIS, COLUMBUS; FRANKLIN CTY DAY 265 (5 JUL 76)
EMISSIONS: COLUMBUS, 1974
MET. DATA= SFC: COLUMBUS, 1969; UPPER AIR: DAYTON, 1969.

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)
1	331.00	4429.20	57.12	.00	60.7	378.0	.9	14.0
2	331.00	4429.20	94.34	.00	60.7	333.0	1.2	6.5
3	330.30	4420.90	21.08	.00	22.9	616.0	.8	59.0
4	327.80	4425.80	239.60	.00	33.6	450.0	2.1	11.0
5	329.90	4428.00	8.39	.00	21.3	1088.0	2.2	8.6
6	328.10	4428.10	17.97	.00	21.0	505.0	1.3	.9
7	328.10	4428.10	4.39	.00	27.4	505.0	1.5	.2
8	329.90	4427.90	107.00	.00	45.7	589.0	2.4	4.2
9	325.00	4425.00	90.30	.00	68.6	533.0	2.4	8.5
10	325.00	4425.00	39.77	.00	18.3	533.0	1.5	9.6
11	329.50	4425.00	65.88	.00	61.0	561.0	2.4	6.0
12	329.90	4425.00	39.53	.00	47.2	533.0	2.1	2.0
13	329.10	4426.20	29.48	.00	30.5	450.0	1.8	1.8
14	331.30	4429.50	38.33	.00	48.8	422.0	2.6	2.3
15	328.70	4426.00	32.11	.00	30.5	450.0	1.5	4.5
16	328.70	4426.00	55.70	.00	24.4	450.0	1.5	7.5
17	328.70	4426.00	27.31	.00	30.5	450.0	1.5	3.1
18	319.60	4424.20	125.50	.00	21.4	589.0	1.5	14.4
19	329.40	4427.20	163.00	.00	26.8	466.0	1.5	5.1
20	335.00	4410.00	153.50	.00	18.9	519.0	1.3	19.2
21	327.00	4427.20	67.54	.00	15.9	561.0	1.3	9.4
22	332.00	4429.00	28.86	.00	24.4	533.0	1.8	5.9
23	320.00	4425.00	210.00	.00	24.1	501.0	1.5	10.4
24	337.50	4428.00	268.50	.00	23.8	464.0	1.7	4.6
25	334.50	4424.60	12.20	.00	38.1	533.0	1.5	8.1

CRITICAL DAY RAM ANALYSIS. COLUMBUS: FRANKLIN CTY DAY 265 (5 JUL 76)
EMISSIONS: COLUMBUS. 1974
MET. DATA- SFC: COLUMBUS. 1969; UPPER AIR: DAYTON. 1969.

AREA SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD	SO2(G/SEC-M**2) EMISSIONS	PART(G/SEC-M**2) EMISSIONS	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (M)
1	331.0	4429.2	1.7700-05	0.0000	1.0	21.0

Columbus (Franklin County)

RAM Source No.	Source Name	Final Strategy Emission Rate Q (g SO_2/sec)
Area 1	Asarco	17.70
Point 1	Asarco	57.12
Point 2	Asarco	44.34
Point 3	Buckeye Steel Casting	21.18
Point 4	Columbus Municipal Power Plant	75.66
Point 5	Ohio Malleable Div-Dayton Malleable Co.	8.39
Point 6	Clark Vault Co.	8.91
Point 7	Clark Vault Co.	3.99
Point 8	Columbus Coated Fabrics Borden Chemical Co.	22.70
Point 9	Columbus State Institution	89.61
Point 10	Columbus State Institution	39.77
Point 11	Columbus State Hospital	65.14
Point 12	Grant Hospital	15.60
Point 13	Union Depot	10.59
Point 14	Ross Labs	38.13
Point 15	Correctional Medical Center	12.86
Point 16	Correctional Medical Center	21.94
Point 17	Correctional Medical Center	9.26

RAM Source No.	Source Name	Final Strategy Emission Rate Q (g SO_2/sec)
Point 18	Fisher Body - G.M.C.	73.39
Point 19	Jeffrey Mining Machinery	47.67
Point 20	Richenbacher A. F. B.	85.45
Point 21	Capital City Products	46.91
Point 22	Defense Construction Supply	39.72
Point 23	Westinghouse Electric	85.72
Point 24	Naval Weapons Industrial Reserve	55.34
Point 25	Capital Univ	18.39

CRITICAL DAY RAM ANALYSIS, CUY. SOUTH, STATUS QUO, (28 AUG 76)

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	467.70	4586.80	32.58	.00	51.2	589.0	1.8	4.5	.1791-03	113.51
2	456.10	4577.90	21.27	.00	23.8	469.0	1.4	7.0	.2756-03	71.62
3	458.10	4589.10	12.98	.00	37.0	589.0	2.4	9.1	.2678-04	194.31
4	458.10	4589.10	27.27	.00	37.0	589.0	2.4	9.1	.5625-04	194.31
5	447.80	4580.90	8.90	.00	10.0	333.0	2.0	7.0	.2835-03	44.75
6	446.90	4585.30	56.74	.00	21.3	367.0	.5	5.1	.5030-02	26.35

AREA SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2 EMISSIONS (GRAMS/SQ.	PART EMISSIONS M/SEC)	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	465.0	4595.0	1.0720-07	2.4800-08	5.0	20.0	5.3600-04
2	465.0	4590.0	6.6000-08	2.4800-08	5.0	20.0	3.3000-04
3	465.0	4585.0	1.9880-07	4.2000-08	5.0	20.0	9.9400-04
4	465.0	4580.0	9.4400-08	4.8000-08	5.0	20.0	4.7200-04
5	465.0	4575.0	7.0000-08	3.0000-08	5.0	20.0	3.5000-04
6	465.0	4600.0	9.9200-08	5.6400-08	5.0	20.0	4.9600-04
7	470.0	4605.0	9.9600-08	5.6000-08	5.0	20.0	4.9800-04
8	470.0	4600.0	1.0080-07	5.5600-08	5.0	20.0	5.0400-04
9	437.5	4585.0	2.6448-06	6.3200-07	2.5	20.0	6.6120-03
10	437.5	4582.5	3.0032-06	6.8480-07	2.5	20.0	7.5080-03
11	437.5	4580.0	1.5360-06	2.9600-07	2.5	20.0	3.8400-03
12	440.0	4585.0	3.3360-06	7.7600-07	2.5	20.0	8.3400-03
13	440.0	4582.5	3.3264-06	6.4640-07	2.5	20.0	8.3160-03
14	440.0	4580.0	2.2960-06	4.3200-07	2.5	20.0	5.7400-03
15	442.5	4585.0	8.1280-07	1.7280-07	2.5	20.0	2.0320-03
16	442.5	4582.5	5.6480-07	1.0720-07	2.5	20.0	1.4120-03
17	442.5	4580.0	1.1008-06	2.0960-07	2.5	20.0	2.7520-03
18	440.0	4575.0	5.0040-07	9.5200-08	5.0	20.0	2.5020-03
19	440.0	4570.0	3.3680-07	6.6000-08	5.0	20.0	1.6840-03
20	445.0	4585.0	1.5776-06	3.2480-07	2.5	20.0	3.9440-03
21	445.0	4582.5	1.3280-07	4.6400-08	2.5	20.0	3.3200-04
22	445.0	4580.0	4.5920-07	8.9600-08	2.5	20.0	1.1480-03
23	447.5	4585.0	1.0794-05	2.1376-06	2.5	20.0	2.6984-02
24	447.5	4582.5	9.6640-07	1.8880-07	2.5	20.0	2.4160-03
25	447.5	4580.0	1.4880-07	4.3200-08	2.5	20.0	3.7200-04
26	445.0	4575.0	2.5160-07	4.9200-08	5.0	20.0	1.2580-03
27	445.0	4570.0	3.0600-07	5.8800-08	5.0	20.0	1.5300-03
28	450.0	4585.0	9.6160-06	2.2048-06	2.5	20.0	2.4040-02
29	450.0	4582.5	3.4112-06	6.5440-07	2.5	20.0	8.5280-03
30	450.0	4580.0	6.1360-07	1.2320-07	2.5	20.0	1.5840-03
31	452.5	4590.0	3.5840-07	7.3600-08	2.5	20.0	8.9600-04
32	452.5	4587.5	4.4800-08	1.6000-08	2.5	20.0	1.1200-04
33	452.5	4585.0	7.0032-06	1.5312-06	2.5	20.0	1.7508-02
34	452.5	4582.5	2.5632-06	5.0560-07	2.5	20.0	6.4080-03
35	452.5	4580.0	2.9280-07	1.4880-07	2.5	20.0	7.3200-04
36	452.5	4577.5	3.6160-07	7.2000-08	2.5	20.0	9.0400-04
37	455.0	4590.0	5.5040-07	1.0720-07	2.5	20.0	1.3760-03
38	455.0	4587.5	1.4384-06	8.0800-07	2.5	20.0	3.5960-03
39	455.0	4585.0	3.6976-06	7.6160-07	2.5	20.0	9.2440-03
40	455.0	4582.5	1.2112-06	2.3520-07	2.5	20.0	3.0280-03
41	455.0	4580.0	1.8560-06	3.7120-07	2.5	20.0	4.6400-03
42	455.0	4577.5	2.2240-07	6.2400-08	2.5	20.0	5.5600-04
43	457.5	4590.0	2.3520-07	5.1200-08	2.5	20.0	5.8800-04
44	457.5	4587.5	1.8720-07	4.9600-08	2.5	20.0	4.6800-04
45	457.5	4585.0	9.7760-07	2.0800-07	2.5	20.0	2.4440-03
46	457.5	4582.5	4.7200-07	1.1520-07	2.5	20.0	1.1800-03
47	457.5	4580.0	6.2560-07	1.2960-07	2.5	20.0	1.5640-03
48	457.5	4577.5	2.2560-07	5.1200-08	2.5	20.0	5.6400-04
49	460.0	4590.0	3.8120-07	7.6400-08	5.0	20.0	1.9060-03

49	460.0	4590.0	3.8120-07	7.6400-08	5.0	20.0	1.9060-03
50	460.0	4585.0	2.4120-07	4.8000-08	5.0	20.0	1.2060-03
51	460.0	4580.0	3.7040-07	7.6400-08	5.0	20.0	1.8520-03
52	460.0	4575.0	9.9600-08	2.4000-08	5.0	20.0	4.9800-04

THE ORIGIN IN INTERNAL UNITS IS(175, 1828)
THE SIZE OF THE AREA SOURCE ARRAY IS (15, 16)
RMIN- 175.00 RMAX- 190.00 SMIN- 1828.00 SMAX- 1844.00

0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
0	0	0	0	0	0	0	0	0	0	0	0	6	6	8	8
0	0	0	0	0	0	0	0	0	0	0	0	6	6	8	8
0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
0	0	0	0	0	0	0	0	0	0	49	49	2	2	0	0
0	0	0	0	0	0	31	37	43	49	49		2	2	0	0
0	0	0	0	0	0	32	38	44	50	50		3	3	0	0
9	12	15	20	23	28	33	39	45	50	50		3	3	0	0
10	13	16	21	24	29	34	40	46	51	51		4	4	0	0
11	14	17	22	25	30	35	41	47	51	51		4	4	0	0
0	18	18	26	26	0	36	42	48	52	52		5	5	0	0
0	18	18	26	26	0	0	0	0	52	52		5	5	0	0
0	19	19	27	27	0	0	0	0	0	0		0	0	0	0
0	19	19	27	27	0	0	0	0	0	0		0	0	0	0

TOTAL EMISSION AND CUMULATIVE FRACTION ACCORDING TO HEIGHT

HEIGHT(M)	TOTAL POINT EMISSIONS(G/S)	CUMULATIVE FRACTION	TOTAL AREA EMISSIONS(G/S)	CUMULATIVE FRACTION
0 - 5	.00	.000	.00	.000
6 - 10	8.90	.056	.00	.000
11 - 15	.00	.056	.00	.000
16 - 20	.00	.056	512.35	1.000
21 - 25	78.01	.544	.00	1.000
26 - 30	.00	.544	.00	1.000
31 - 35	.00	.544	.00	1.000
36 - 40	40.25	.796	.00	1.000
41 - 45	.00	.796	.00	1.000
46 - 50	.00	.796	.00	1.000
51 - 55	32.58	1.000	.00	1.000
56 - 60	.00	1.000	.00	1.000
61 - 65	.00	1.000	.00	1.000
66 - 70	.00	1.000	.00	1.000
71 - 75	.00	1.000	.00	1.000
76 - 80	.00	1.000	.00	1.000
81 - 85	.00	1.000	.00	1.000
86 - 90	.00	1.000	.00	1.000
91 - 95	.00	1.000	.00	1.000
96 -100	.00	1.000	.00	1.000
TOTAL	159.74		512.35	

SIGNIFICANT SO2 POINT SOURCES

RANK	CHI-MAX (G/CU. M)	SOURCE NO.
1	5.0301-03	6
2	2.8354-04	5
3	2.7557-04	2
4	1.7906-04	1
5	5.6255-05	4
6	2.6776-05	3

SIGNIFICANT SO2 AREA SOURCES

RANK	Q*LENGTH (G-KM/SEC)	SOURCE NO.
1	2.6984-02	23
2	2.4040-02	28
3	1.7508-02	33
4	9.2440-03	39
5	8.5280-03	29
6	8.3400-03	12
7	8.3160-03	13
8	7.5080-03	10
9	6.6120-03	9
10	6.4080-03	34

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CRITICAL DAY RAM ANALYSIS, CLEVELAND SOUTH STATUS QUO (8/28/76)

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	444.50	4590.40	2.90	.00	15.0	444.0	1.2	10.9	.4627-04	64.14
2	444.50	4590.40	141.90	.00	61.0	553.0	1.4	14.3	.4279-03	157.77
3	442.70	4588.50	8.50	.00	19.8	478.0	1.8	11.7	.3940-04	124.62
4	442.70	4588.50	12.60	.00	14.0	478.0	.8	12.9	.3586-03	47.44
5	442.40	4590.10	52.48	.00	61.0	589.0	3.0	10.7	.5424-04	287.59
6	442.40	4590.10	39.97	.00	76.2	588.0	3.4	6.7	.4474-04	274.83
7	442.90	4590.80	90.66	.00	46.0	400.0	3.0	18.0	.1134-03	258.06
8	444.40	4588.00	35.96	.00	30.5	522.0	1.5	5.8	.3591-03	82.29
9	444.40	4588.00	66.90	.00	22.9	522.0	1.3	5.7	.1067-02	64.14
10	444.00	4588.30	103.70	.00	61.0	477.0	2.7	13.5	.1311-03	256.53
11	444.00	4588.30	69.10	.00	45.7	477.0	2.3	13.5	.1273-03	207.00
12	444.40	4588.00	35.96	.00	30.5	522.0	1.5	5.3	.3886-03	78.90
13	443.60	4589.00	67.10	.00	49.1	1311.0	4.9	10.2	.2225-04	564.14
14	443.60	4589.00	67.10	.00	49.1	1311.0	4.9	10.2	.2225-04	564.14
15	443.30	4588.90	8.90	.00	32.9	325.0	4.6	10.1	.2333-04	170.37
16	443.30	4589.00	8.90	.00	32.9	325.0	4.6	10.1	.2333-04	170.37
17	443.60	4590.00	22.10	.00	76.2	639.0	3.1	5.7	.3026-04	245.11
18	443.80	4590.00	23.10	.00	76.2	639.0	3.1	5.7	.3163-04	245.11
19	444.80	4590.60	4.80	.00	76.2	639.0	3.2	4.2	.7804-05	222.29
20	444.70	4590.80	27.40	.00	65.5	639.0	2.7	4.9	.5640-04	194.55
21	444.60	4590.80	27.40	.00	68.6	639.0	2.8	5.3	.4854-04	211.71
22	444.50	4590.80	27.40	.00	76.2	639.0	2.8	4.9	.4823-04	212.48
23	443.60	4590.10	106.50	.00	37.5	572.0	3.4	18.0	.6517-04	390.75
24	443.60	4589.00	67.10	.00	49.1	1311.0	4.9	10.2	.2225-04	564.14
25	446.90	4585.30	56.74	.00	21.3	367.0	.5	5.1	.5030-02	26.35

AREA SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2 EMISSIONS (GRAMS/SQ. M/SEC)	PART EMISSIONS	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	440.0	4590.0	3.1840-06	7.4560-07	2.5	20.0	7.9600-03
2	440.0	4587.5	3.5360-06	8.1440-07	2.5	20.0	8.8400-03
3	442.5	4590.0	1.5360-06	1.7024-06	1.3	20.0	1.9200-03
4	442.5	4587.5	8.9600-07	8.1280-07	1.3	20.0	1.1200-03
5	445.0	4590.0	3.2640-06	7.8080-07	2.5	20.0	8.1600-03
6	445.0	4587.5	2.7040-06	6.7840-07	2.5	20.0	6.7600-03
7	447.5	4587.5	4.6080-07	1.0680-07	5.0	20.0	2.3040-03
8	442.5	4588.7	2.0224-05	0.0000	1.3	19.0	2.5280-02
9	443.7	4590.0	7.2320-06	0.0000	1.3	18.0	9.0400-03
10	443.7	4588.7	1.7920-06	0.0000	1.3	20.0	2.2400-03
11	443.7	4587.5	8.9600-07	0.0000	1.3	20.0	1.1200-03
12	440.0	4585.0	3.3360-06	7.7600-07	2.5	20.0	8.3400-03
13	440.0	4582.5	3.3264-06	6.4640-07	2.5	20.0	8.3160-03
14	440.0	4580.0	2.2960-06	4.3200-07	2.5	20.0	5.7400-03
15	442.5	4585.0	8.1280-07	1.7280-07	2.5	20.0	2.0320-03
16	442.5	4582.5	5.6480-07	1.0720-07	2.5	20.0	1.4120-03
17	442.5	4580.0	1.1008-06	2.0960-07	2.5	20.0	2.7520-03
18	445.0	4585.0	1.5776-06	3.2480-07	2.5	20.0	3.9440-03
19	445.0	4582.5	1.3280-07	4.6400-08	2.5	20.0	3.3200-04
20	445.0	4580.0	4.5920-07	8.9600-08	2.5	20.0	1.1480-03
21	447.5	4585.0	1.0794-05	2.1376-06	2.5	20.0	2.6984-02
22	447.5	4582.5	9.6640-07	1.8880-07	2.5	20.0	2.4160-03
23	447.5	4580.0	1.4880-07	4.3200-08	2.5	20.0	3.7200-04
24	450.0	4585.0	9.6160-06	2.2048-06	2.5	20.0	2.4040-02
25	450.0	4582.5	3.4112-06	6.5440-07	2.5	20.0	8.5280-03
26	450.0	4580.0	6.3360-07	1.2320-07	2.5	20.0	1.5840-03
27	452.5	4590.0	3.5840-07	7.3600-08	2.5	20.0	8.9600-04
28	452.5	4587.5	4.4800-08	1.6000-08	2.5	20.0	1.1200-04
29	452.5	4585.0	7.0032-06	1.5312-06	2.5	20.0	1.7508-02
30	452.5	4582.5	2.5632-06	5.0560-07	2.5	20.0	6.4080-03
31	452.5	4580.0	2.9280-07	1.4880-07	2.5	20.0	7.3200-04

THE ORIGIN IN INTERNAL UNITS IS(352, 3664)
THE SIZE OF THE AREA SOURCE ARRAY IS (12, 10)
RMIN= 352.00 RMAX= 364.00 SMIN= 3664.00 SMAX= 3674.00

1	1	0	0	5	5	7	7	7	7	27	27
1	1	3	9	5	5	7	7	7	7	27	27
2	2	8	10	6	6	7	7	7	7	28	28
2	2	4	11	6	6	7	7	7	7	28	28
12	12	15	15	18	18	21	21	24	24	29	29
12	12	15	15	18	18	21	21	24	24	29	29
13	13	16	16	19	19	22	22	25	25	30	30
13	13	16	16	19	19	22	22	25	25	30	30
14	14	17	17	20	20	23	23	26	26	31	31
14	14	17	17	20	20	23	23	26	26	31	31

TOTAL EMISSION AND CUMULATIVE FRACTION ACCORDING TO HEIGHT

HEIGHT(M)	TOTAL POINT EMISSIONS(G/S)	CUMULATIVE FRACTION	TOTAL AREA EMISSIONS(G/S)	CUMULATIVE FRACTION
0 - 5	.00	.000	.00	.000
6 - 10	.00	.000	.00	.000
11 - 15	15.50	.013	.00	.000
16 - 20	8.50	.020	450.71	1.000
21 - 25	123.64	.126	.00	1.000
26 - 30	.00	.126	.00	1.000
31 - 35	89.72	.202	.00	1.000
36 - 40	106.50	.293	.00	1.000
41 - 45	.00	.293	.00	1.000
46 - 50	361.06	.600	.00	1.000
51 - 55	.00	.600	.00	1.000
56 - 60	.00	.600	.00	1.000
61 - 65	298.08	.853	.00	1.000
66 - 70	54.80	.900	.00	1.000
71 - 75	.00	.900	.00	1.000
76 - 80	117.37	1.000	.00	1.000
81 - 85	.00	1.000	.00	1.000
86 - 90	.00	1.000	.00	1.000
91 - 95	.00	1.000	.00	1.000
96 -100	.00	1.000	.00	1.000
TOTAL	1175.17		450.71	

SIGNIFICANT SO2 POINT SOURCES

RANK	CHI-MAX (G/CU. M)	SOURCE NO.
1	5.0301-03	25
2	1.0673-03	9
3	4.2791-04	2
4	3.8856-04	12
5	3.5911-04	8
6	3.5861-04	4
7	1.3105-04	10
8	1.2735-04	11
9	1.1337-04	7
10	6.5171-05	23
11	5.6395-05	20
12	5.4241-05	5
13	4.8540-05	21
14	4.8229-05	22
15	4.6267-05	1
16	4.4744-05	6
17	3.9403-05	3
18	3.1625-05	18
19	3.0256-05	17
20	2.3332-05	15
21	2.3332-05	16
22	2.2249-05	13
23	2.2249-05	14
24	2.2249-05	24
25	7.8039-06	19

SIGNIFICANT SO2 AREA SOURCES

RANK	Q*LENGTH (G-KM/SEC)	SOURCE NO.
1	2.6984-02	21
2	2.5280-02	8
3	2.4040-02	24
4	1.7508-02	29
5	9.0400-03	9
6	8.8400-03	2
7	8.5280-03	25
8	8.3400-03	12
9	8.3160-03	13
10	8.1600-03	5

CRITICAL DAY RAM ANALYSIS, CLEVELAND SOUTH CONTROL STRATEGY (8/28/76)

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	444.50	4590.40	4.70	.00	15.0	444.0	1.2	10.9	.7498-04	64.14
2	444.50	4590.40	23.62	.00	61.0	553.0	1.4	14.3	.7123-04	157.77
3	442.70	4588.50	4.44	.00	19.8	478.0	1.8	11.7	.2058-04	124.62
4	442.70	4588.50	6.60	.00	14.0	478.0	.8	12.9	.1878-03	47.44
5	442.40	4590.10	3.90	.00	61.0	589.0	3.0	10.7	.4031-05	287.59
6	442.40	4590.10	22.38	.00	76.2	588.0	3.4	6.7	.2505-04	274.83
7	442.90	4590.80	41.87	.00	46.0	400.0	3.0	18.0	.5236-04	258.06
8	444.40	4588.00	12.29	.00	30.5	522.0	1.5	5.8	.1227-03	82.29
9	444.40	4588.00	23.77	.00	22.9	522.0	1.3	5.7	.3792-03	64.14
10	444.00	4588.30	38.87	.00	61.0	477.0	2.7	13.5	.4912-04	256.53
11	444.00	4588.30	29.32	.00	45.7	477.0	2.3	13.5	.5404-04	207.00
12	444.40	4588.00	12.29	.00	30.5	522.0	1.5	5.3	.1328-03	78.90
13	443.60	4589.00	.00	.00	49.1	1311.0	4.9	10.2	.0000	564.14
14	443.60	4589.00	53.63	.00	49.1	1311.0	4.9	10.2	.1778-04	564.14
15	443.30	4588.90	8.90	.00	32.9	325.0	4.6	10.1	.2333-04	170.37
16	443.30	4589.00	8.90	.00	32.9	325.0	4.6	10.1	.2333-04	170.37
17	443.60	4590.00	22.10	.00	76.2	639.0	3.1	5.7	.3026-04	245.11
18	443.80	4590.00	23.10	.00	76.2	639.0	3.1	5.7	.3163-04	245.11
19	444.80	4590.60	4.80	.00	76.2	639.0	3.2	4.2	.7804-05	222.29
20	444.70	4590.80	12.88	.00	65.5	639.0	2.7	4.9	.2651-04	194.55
21	444.60	4590.80	13.43	.00	68.6	639.0	2.8	5.3	.2379-04	211.71
22	444.50	4590.80	13.43	.00	76.2	639.0	2.8	4.9	.2364-04	212.48
23	443.60	4590.10	58.71	.00	37.5	572.0	3.4	18.0	.3593-04	390.75
24	443.60	4589.00	.00	.00	49.1	1311.0	4.9	10.2	.0000	564.14
25	446.90	4585.30	10.20	.00	21.3	367.0	.5	5.1	.9042-03	26.35

400<

AREA

SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2 EMISSIONS (GRAMS/SQ. M/SEC)	PART EMISSIONS (GRAMS/SQ. M/SEC)	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	440.0	4590.0	3.1840-06	7.4560-07	2.5	20.0	7.9600-03
2	440.0	4587.5	3.5360-06	8.1440-07	2.5	20.0	8.8400-03
3	442.5	4590.0	1.5360-06	1.7024-06	1.3	20.0	1.9200-03
4	442.5	4587.5	8.9600-07	8.1280-07	1.3	20.0	1.1200-03
5	445.0	4590.0	3.2640-06	7.8080-07	2.5	20.0	8.1600-03
6	445.0	4587.5	2.7040-06	6.7840-07	2.5	20.0	6.7600-03
7	447.5	4587.5	4.6080-07	1.0680-07	5.0	20.0	2.3040-03
8	442.5	4588.7	1.2134-05	0.0000	1.3	19.0	1.5168-02
9	443.7	4590.0	4.3392-06	0.0000	1.3	18.0	5.4240-03
10	443.7	4588.7	1.7920-06	0.0000	1.3	20.0	2.2400-03
11	443.7	4587.5	8.9600-07	0.0000	1.3	20.0	1.1200-03
12	440.0	4585.0	3.3360-06	7.7600-07	2.5	20.0	8.3400-03
13	440.0	4582.5	3.3264-06	6.4640-07	2.5	20.0	8.3160-03
14	440.0	4580.0	2.2960-06	4.3200-07	2.5	20.0	5.7400-03
15	442.5	4585.0	8.1280-07	1.7280-07	2.5	20.0	2.0320-03
16	442.5	4582.5	5.6480-07	1.0720-07	2.5	20.0	1.4120-03
17	442.9	4580.0	1.1008-06	2.0960-07	2.5	20.0	2.7520-03
18	445.0	4585.0	1.5776-06	3.2480-07	2.5	20.0	3.9440-03
19	445.0	4582.5	1.3280-07	4.6400-08	2.5	20.0	3.3200-04
20	445.0	4580.0	4.5920-07	8.9600-08	2.5	20.0	1.1480-03
21	447.5	4585.0	1.0794-05	2.1376-06	2.5	20.0	2.6984-02
22	447.5	4582.5	9.6640-07	1.8880-07	2.5	20.0	2.4160-03
23	447.5	4580.0	1.4880-07	4.3200-08	2.5	20.0	3.7200-04
24	450.0	4585.0	9.6160-06	2.2048-06	2.5	20.0	2.4040-02
25	450.0	4582.5	3.4112-06	6.5440-07	2.5	20.0	8.5280-03
26	450.0	4580.0	6.3360-07	1.2320-07	2.5	20.0	1.5840-03
27	452.5	4590.0	3.5840-07	7.3600-08	2.5	20.0	8.9600-04
28	452.5	4587.5	4.4800-08	1.6000-08	2.5	20.0	1.1200-04
29	452.5	4585.0	7.0032-06	1.5312-06	2.5	20.0	1.7508-02
30	452.5	4582.5	2.5632-06	5.0560-07	2.5	20.0	6.4080-03
31	452.5	4580.0	2.9280-07	1.4880-07	2.5	20.0	7.3200-04

THE ORIGIN IN INTERNAL UNITS IS(352, 3664)
THE SIZE OF THE AREA SOURCE ARRAY IS (12, 10)
RMIN= 352.00 RMAX= 364.00 SMIN= 3664.00 SMAX= 3674.00

1	1	0	0	5	5	7	7	7	7	27	27
1	1	3	9	5	5	7	7	7	7	27	27
2	2	8	10	6	6	7	7	7	7	28	28
2	2	4	11	6	6	7	7	7	7	28	28
12	12	15	15	18	18	21	21	24	24	29	29
12	12	15	15	18	18	21	21	24	24	29	29
13	13	16	16	19	19	22	22	25	25	30	30
13	13	16	16	19	19	22	22	25	25	30	30
14	14	17	17	20	20	23	23	26	26	31	31
14	14	17	17	20	20	23	23	26	26	31	31

TOTAL EMISSION AND CUMULATIVE FRACTION ACCORDING TO HEIGHT

HEIGHT(M)	TOTAL POINT EMISSIONS(G/S)	CUMULATIVE FRACTION	TOTAL AREA EMISSIONS(G/S)	CUMULATIVE FRACTION
0 - 5	.00	.000	.00	.000
6 - 10	.00	.000	.00	.000
11 - 15	11.30	.025	.00	.000
16 - 20	4.44	.035	433.55	1.000
21 - 25	33.97	.109	.00	1.000
26 - 30	.00	.109	.00	1.000
31 - 35	42.38	.203	.00	1.000
36 - 40	58.71	.332	.00	1.000
41 - 45	.00	.332	.00	1.000
46 - 50	124.82	.607	.00	1.000
51 - 55	.00	.607	.00	1.000
56 - 60	.00	.607	.00	1.000
61 - 65	66.39	.753	.00	1.000
66 - 70	26.31	.811	.00	1.000
71 - 75	.00	.811	.00	1.000
76 - 80	85.81	1.000	.00	1.000
81 - 85	.00	1.000	.00	1.000
86 - 90	.00	1.000	.00	1.000
91 - 95	.00	1.000	.00	1.000
96 -100	.00	1.000	.00	1.000
TOTAL	454.13		433.55	

SIGNIFICANT SO2 POINT SOURCES

RANK	CHI-MAX (G/CU. M)	SOURCE NO.
1	9.0425-04	25
2	3.7920-04	9
3	1.8784-04	4
4	1.3280-04	12
5	1.2273-04	8
6	7.4985-05	1
7	7.1228-05	2
8	5.4036-05	11
9	5.2360-05	7
10	4.9122-05	10
11	3.5926-05	23
12	3.1625-05	18
13	3.0256-05	17
14	2.6510-05	20
15	2.5053-05	6
16	2.3792-05	21
17	2.3639-05	22
18	2.3332-05	15
19	2.3332-05	16
20	2.0582-05	3
21	1.7783-05	14
22	7.8039-06	19
23	4.0309-06	5
24	0.0000	13
25	0.0000	24

SIGNIFICANT SO2 AREA SOURCES

RANK	Q*LENGTH (G-KM/SEC)	SOURCE NO.
1	2.6984-02	21
2	2.4040-02	24
3	1.7508-02	29
4	1.5168-02	8
5	8.8400-03	2
6	8.5280-03	25
7	8.3400-03	12
8	8.3160-03	13
9	8.1600-03	5
10	7.9600-03	1

READY

CRITICAL DAY RAM ANALYSIS, CLEVELAND NORTH STATUS QUO (8 AUG 76)

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	445.30	4597.60	158.10	.00	46.6	433.0	2.9	15.8	.1984-03	257.57
2	445.30	4597.60	393.40	.00	49.7	450.0	2.6	12.3	.6707-03	216.38
3	440.50	4593.30	79.13	.00	69.5	544.0	2.7	4.1	.2030-03	172.42
4	446.40	4598.30	1002.00	.00	97.6	426.0	5.2	16.1	.3810-03	518.64
5	446.40	4598.30	568.00	.00	81.7	397.0	3.7	11.9	.5722-03	291.82
6	446.40	4598.30	455.30	.00	81.7	403.0	3.7	9.9	.5106-03	274.56
7	442.40	4593.70	224.00	.00	95.7	578.0	3.7	9.3	.1572-03	360.58
8	443.50	4594.00	29.33	.00	24.4	478.0	2.3	1.5	.5886-03	56.86
9	443.60	4591.50	43.40	.00	46.0	478.0	2.0	2.7	.3941-03	86.56
10	443.60	4591.50	16.66	.00	46.0	478.0	2.0	7.1	.7149-04	130.02
11	443.60	4591.50	15.43	.00	46.0	478.0	2.0	6.0	.7655-04	120.07
12	443.60	4591.50	18.84	.00	26.0	478.0	2.0	7.4	.1043-03	113.04
13	443.60	4591.50	17.75	.00	26.0	478.0	2.0	7.4	.9844-04	112.95
14	443.60	4591.50	33.18	.00	38.0	533.0	3.0	6.4	.6855-04	194.14
15	443.90	4592.30	25.10	.00	76.2	428.0	4.7	1.5	.7699-04	156.31
16	443.60	4592.70	2.60	.00	69.8	477.0	3.4	5.6	.4232-05	222.14
17	443.70	4592.80	2.60	.00	64.6	477.0	3.0	11.4	.3094-05	265.43
18	443.50	4592.80	17.30	.00	47.5	505.0	2.1	5.9	.7265-04	131.57
19	444.30	4596.20	66.30	.00	87.0	547.0	4.3	14.6	.2778-04	488.09
20	443.30	4592.20	4.68	.00	30.0	338.0	1.0	26.0	.7172-04	65.51
21	446.40	4598.30	568.00	.00	81.7	397.0	3.7	11.9	.5722-03	291.82
22	446.40	4598.30	455.30	.00	81.7	403.0	3.7	9.9	.5106-03	274.56
23	444.60	4591.40	21.30	.00	45.7	672.0	2.1	8.5	.4870-04	183.65
24	444.70	4591.50	12.90	.00	45.7	811.0	2.1	6.3	.3520-04	166.67
25	444.50	4591.20	26.10	.00	53.3	767.0	1.9	4.8	.1030-03	136.13
26	444.50	4591.10	17.40	.00	53.3	767.0	1.9	4.8	.6867-04	136.13
27	444.30	4591.40	6.80	.00	32.0	533.0	3.4	.8	.8548-04	72.79
28	444.30	4591.50	6.90	.00	32.0	533.0	3.5	.9	.7521-04	78.53
29	444.50	4591.20	9.20	.00	45.7	644.0	1.5	1.8	.1210-03	71.04
30	444.50	4591.10	4.60	.00	45.7	644.0	1.5	1.8	.6052-04	71.04
31	443.80	4591.40	173.30	.00	68.6	544.0	3.3	7.3	.2134-03	260.32
32	444.30	4591.50	116.30	.00	68.6	522.0	2.7	23.3	.8099-04	362.17
33	443.80	4591.30	86.80	.00	44.5	533.0	3.2	12.1	.8786-04	291.03
34	443.80	4591.40	86.80	.00	44.5	533.0	3.2	12.5	.8503-04	296.50
35	443.80	4591.40	86.80	.00	44.5	533.0	3.2	12.6	.8448-04	297.58
36	443.70	4590.20	114.50	.00	45.7	572.0	4.6	12.3	.5521-04	449.45

AREA SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2 EMISSIONS (GRAMS/SQ.	PART EMISSIONS M/SEC)	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	442.5	4592.5	2.4352-06	5.6000-07	2.5	20.0	6.0880-03
2	440.0	4595.0	4.2080-07	2.1280-07	2.5	20.0	1.0520-03
3	440.0	4592.5	2.8000-07	7.6800-08	2.5	20.0	7.0000-04
4	442.5	4595.0	8.4480-07	6.4320-07	2.5	20.0	2.1120-03
5	445.0	4597.5	3.4560-07	8.8000-08	2.5	20.0	8.6400-04
6	445.0	4595.0	7.0560-06	1.5808-06	2.5	20.0	1.7640-02
7	445.0	4592.5	4.9280-06	1.1456-06	2.5	20.0	1.2320-02
8	447.5	4600.0	4.4800-08	1.6000-08	2.5	20.0	1.1200-04
9	447.5	4597.5	5.7920-06	1.2576-06	2.5	20.0	1.4480-02
10	447.5	4595.0	7.2320-06	1.5648-06	2.5	20.0	1.8080-02
11	447.5	4592.5	3.8720-06	9.3440-07	2.5	20.0	9.6800-03
12	442.5	4591.2	5.9712-06	0.0000	1.3	20.0	7.4640-03
13	443.7	4591.2	9.0304-06	0.0000	1.3	34.0	1.1288-02

THE ORIGIN IN INTERNAL UNITS IS(352, 3673)
THE SIZE OF THE AREA SOURCE ARRAY IS (8, 9)
XMIN= 352.00 XMAX= 360.00 YMIN= 3673.00 YMAX= 3682.00

0	0	0	0	0	0	8	8
0	0	0	0	0	0	8	8
0	0	0	0	5	5	9	9
0	0	0	0	5	5	9	9
2	2	4	4	6	6	10	10
2	2	4	4	6	6	10	10
3	3	1	1	7	7	11	11
3	3	1	1	7	7	11	11
0	0	12	13	0	0	0	0

TOTAL EMISSION AND CUMULATIVE FRACTION ACCORDING TO HEIGHT

HEIGHT(M)	TOTAL POINT EMISSIONS(G/S)	CUMULATIVE FRACTION	TOTAL AREA EMISSIONS(G/S)	CUMULATIVE FRACTION
0 - 5	.00	.000	.00	.000
6 - 10	.00	.000	.00	.000
11 - 15	.00	.000	.00	.000
16 - 20	.00	.000	217.15	.939
21 - 25	29.33	.006	.00	.939
26 - 30	41.27	.014	.00	.939
31 - 35	13.70	.017	14.11	1.000
36 - 40	33.18	.024	.00	1.000
41 - 45	260.40	.076	.00	1.000
46 - 50	806.79	.239	.00	1.000
51 - 55	43.50	.247	.00	1.000
56 - 60	.00	.247	.00	1.000
61 - 65	2.60	.248	.00	1.000
66 - 70	371.33	.323	.00	1.000
71 - 75	.00	.323	.00	1.000
76 - 80	25.10	.328	.00	1.000
81 - 85	2046.60	.740	.00	1.000
86 - 90	66.30	.753	.00	1.000
91 - 95	.00	.753	.00	1.000
96 -100	1226.00	1.000	.00	1.000
TOTAL	4966.10		231.26	

SIGNIFICANT SO2 POINT SOURCES

RANK	CHI-MAX (G/CU. M)	SOURCE NO.
1	6.7067-04	2
2	5.8862-04	8
3	5.7216-04	5
4	5.7216-04	21
5	5.1058-04	6
6	5.1058-04	22
7	3.9411-04	9
8	3.8100-04	4
9	2.1343-04	31
10	2.0296-04	3
11	1.9838-04	1
12	1.5716-04	7
13	1.2404-04	29
14	1.0434-04	12
15	1.0300-04	25
16	9.8440-05	13
17	8.7856-05	33
18	8.5475-05	27
19	8.5025-05	34
20	8.4481-05	35
21	8.0988-05	32
22	7.6989-05	15
23	7.6545-05	11
24	7.5208-05	28
25	7.2648-05	18

SIGNIFICANT SO2 AREA SOURCES

RANK	Q*LENGTH (G-KM/SEC)	SOURCE NO.
1	1.8080-02	10
2	1.7640-02	6
3	1.4480-02	9
4	1.2320-02	7
5	1.1288-02	13
6	9.6800-03	11
7	7.4640-03	12
8	6.0880-03	1
9	2.1120-03	4
10	1.0520-03	2

CRITICAL DAY RAM ANALYSIS, CLEVELAND NORTH CONTROL STRATEGY (28 AUG 76)

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	445.30	4597.60	113.49	.00	46.6	433.0	2.9	15.8	.1424-03	257.57
2	445.30	4597.60	282.36	.00	49.7	450.0	2.6	12.3	.4814-03	216.38
3	440.50	4593.30	79.44	.00	69.5	544.0	2.7	4.1	.2038-03	172.42
4	446.40	4598.30	334.42	.00	97.6	426.0	5.2	16.1	.1272-03	518.64
5	446.40	4598.30	206.53	.00	81.7	397.0	3.7	11.9	.2080-03	291.82
6	446.40	4598.30	165.56	.00	81.7	403.0	3.7	9.9	.1857-03	274.56
7	442.40	4593.70	165.85	.00	95.7	578.0	3.7	9.3	.1164-03	360.58
8	443.50	4594.00	12.43	.00	24.4	478.0	2.3	1.5	.2495-03	56.86
9	443.60	4591.50	20.05	.00	46.0	478.0	2.0	2.7	.1821-03	86.56
10	443.60	4591.50	15.38	.00	46.0	478.0	2.0	7.1	.6600-04	130.02
11	443.60	4591.50	7.12	.00	46.0	478.0	2.0	6.0	.3532-04	120.07
12	443.60	4591.50	8.70	.00	26.0	478.0	2.0	7.4	.4818-04	113.04
13	443.60	4591.50	8.20	.00	26.0	478.0	2.0	7.4	.4548-04	112.95
14	443.60	4591.50	15.32	.00	38.0	533.0	3.0	6.4	.3165-04	194.14
15	443.90	4592.30	10.78	.00	76.2	428.0	4.7	1.5	.3307-04	156.31
16	443.60	4592.70	2.60	.00	69.8	477.0	3.4	5.6	.4232-05	222.14
17	443.70	4592.80	2.60	.00	64.6	477.0	3.0	11.4	.3094-05	265.43
18	443.50	4592.80	25.40	.00	47.5	505.0	2.1	5.9	.1067-03	131.57
19	444.30	4596.20	79.20	.00	87.0	547.0	4.3	14.6	.3319-04	488.09
20	443.30	4592.20	4.68	.00	30.0	338.0	1.0	26.0	.7172-04	65.51
21	446.40	4598.30	206.53	.00	81.7	397.0	3.7	11.9	.2080-03	291.82
22	446.40	4598.30	165.56	.00	81.7	403.0	3.7	9.9	.1857-03	274.56
23	444.60	4591.40	21.30	.00	45.7	672.0	2.1	8.5	.4870-04	183.65
24	444.70	4591.50	12.90	.00	45.7	811.0	2.1	6.3	.3520-04	166.67
25	444.50	4591.20	11.48	.00	53.3	767.0	1.9	4.8	.4530-04	136.13
26	444.50	4591.10	17.40	.00	53.3	767.0	1.9	4.8	.6867-04	136.13
27	444.30	4591.40	6.80	.00	32.0	533.0	3.4	.8	.8548-04	72.79
28	444.30	4591.50	6.90	.00	32.0	533.0	3.5	.9	.7521-04	78.53
29	444.50	4591.20	5.70	.00	45.7	644.0	1.5	1.8	.7499-04	71.04
30	444.50	4591.10	4.60	.00	45.7	644.0	1.5	1.8	.6052-04	71.04
31	443.80	4591.40	69.76	.00	68.6	544.0	3.3	7.3	.8591-04	260.32
32	444.30	4591.50	48.23	.00	68.6	522.0	2.7	12.5	.5547-04	270.64
33	443.80	4591.30	33.90	.00	44.5	533.0	3.2	12.1	.3431-04	291.03
34	443.80	4591.40	33.90	.00	44.5	533.0	3.2	12.5	.3321-04	296.50
35	443.80	4591.40	33.90	.00	44.5	533.0	3.2	12.6	.3299-04	297.58
36	443.70	4590.20	42.37	.00	45.7	572.0	4.6	8.0	.3011-04	357.91

AREA SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2 EMISSIONS (GRAMS/SQ. M/SEC)	PART EMISSIONS (USER UNITS)	SIDE LENGTH	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	442.5	4592.5	2.4352-06	5.6000-07	2.5	20.0	6.0880-03
2	440.0	4595.0	4.2080-07	2.1280-07	2.5	20.0	1.0520-03
3	440.0	4592.5	2.8000-07	7.6800-08	2.5	20.0	7.0000-04
4	442.5	4595.0	8.4480-07	6.4320-07	2.5	20.0	2.1120-03
5	445.0	4597.5	3.4560-07	8.8000-08	2.5	20.0	8.6400-04
6	445.0	4595.0	7.0560-06	1.5808-06	2.5	20.0	1.7640-02
7	445.0	4592.5	4.9280-06	1.1456-06	2.5	20.0	1.2320-02
8	447.5	4600.0	4.4800-08	1.6000-08	2.5	20.0	1.1200-04
9	447.5	4597.5	5.7920-06	1.2576-06	2.5	20.0	1.4480-02
10	447.5	4595.0	7.2320-06	1.5648-06	2.5	20.0	1.8080-02
11	447.5	4592.5	3.8720-06	9.3440-07	2.5	20.0	9.6800-03
12	442.5	4591.2	5.9712-06	0.0000	1.3	20.0	7.4640-03
13	443.7	4591.2	9.0304-06	0.0000	1.3	34.0	1.1288-02

THE ORIGIN IN INTERNAL UNITS IS(352, 3673)
THE SIZE OF THE AREA SOURCE ARRAY IS (8, 9)
RMIN- 352.00 RMAX- 360.00 SMIN- 3673.00 SMAX- 3682.00

0	0	0	0	0	0	8	8
0	0	0	0	0	0	8	8
0	0	0	0	5	5	9	9
0	0	0	0	5	5	9	9
2	2	4	4	6	6	10	10
2	2	4	4	6	6	10	10
3	3	1	1	7	7	11	11
3	3	1	1	7	7	11	11
0	0	12	13	0	0	0	0

TOTAL EMISSION AND CUMULATIVE FRACTION ACCORDING TO HEIGHT

HEIGHT(M)	TOTAL POINT EMISSIONS(G/S)	CUMULATIVE FRACTION	TOTAL AREA EMISSIONS(G/S)	CUMULATIVE FRACTION
0 - 5	.00	.000	.00	.000
6 - 10	.00	.000	.00	.000
11 - 15	.00	.000	.00	.000
16 - 20	.00	.000	217.15	.939
21 - 25	12.43	.005	.00	.939
26 - 30	21.58	.015	.00	.939
31 - 35	13.70	.021	14.11	1.000
36 - 40	15.32	.028	.00	1.000
41 - 45	101.70	.072	.00	1.000
46 - 50	550.67	.314	.00	1.000
51 - 55	28.88	.326	.00	1.000
56 - 60	.00	.326	.00	1.000
61 - 65	2.60	.327	.00	1.000
66 - 70	200.03	.415	.00	1.000
71 - 75	.00	.415	.00	1.000
76 - 80	10.78	.420	.00	1.000
81 - 85	744.18	.746	.00	1.000
86 - 90	79.20	.781	.00	1.000
91 - 95	.00	.781	.00	1.000
96 -100	500.27	1.000	.00	1.000
TOTAL	2281.34		231.26	

SIGNIFICANT SO2 POINT SOURCES

RANK	CHI-MAX (G/CU. M)	SOURCE NO.
1	4.8137-04	2
2	2.4946-04	8
3	2.0804-04	5
4	2.0804-04	21
5	2.0375-04	3
6	1.8566-04	6
7	1.8566-04	22
8	1.8207-04	9
9	1.4240-04	1
10	1.2716-04	4
11	1.1636-04	7
12	1.0666-04	18
13	8.5913-05	31
14	8.5475-05	27
15	7.5208-05	28
16	7.4993-05	29
17	7.1718-05	20
18	6.8667-05	26
19	6.5996-05	10
20	6.0520-05	30
21	5.5469-05	32
22	4.8698-05	23
23	4.8180-05	12
24	4.5476-05	13
25	4.5305-05	25

SIGNIFICANT SO2 AREA SOURCES

RANK	Q*LENGTH (G-KM/SEC)	SOURCE NO.
1	1.8080-02	10
2	1.7640-02	6
3	1.4480-02	9
4	1.2320-02	7
5	1.1288-02	13
6	9.6800-03	11
7	7.4640-03	12
8	6.0880-03	1
9	2.1120-03	4
10	1.0520-03	2

CRITICAL DAY RAM ANALYSIS. LAPA

POINT SOURCE INFORMATION (Status Quo)

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)
1	482.90	4624.50	60.31	.00	54.3	561.0	3.4	10.1
2	482.90	4624.50	60.05	.00	54.3	561.0	3.4	10.1
3	477.20	4618.30	7.86	.00	17.0	478.0	1.0	7.9
4	478.90	4619.20	471.4	.00	76.2	461.0	3.1	15.1
5	478.90	4619.20	0.0	.00	48.8	461.0	2.4	15.1
6	476.40	4621.90	48.9	.00	41.2	533.0	3.2	15.6
7	480.40	4623.60	192.62	.00	52.7	477.0	2.4	8.1
8	477.20	4618.30	2.62	.00	17.0	478.0	1.0	7.9
9	477.20	4618.30	2.62	.00	17.0	478.0	1.0	7.9
10	477.20	4618.30	2.00	.00	8.6	1089.0	.8	15.0

CRITICAL DAY RAM ANALYSIS, LAPA STRATEGY TEST 1 (772...6)

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EPP HT(M)
1	482.90	4624.50	36.30	.00	54.3	561.0	3.4	10.1	.3463-04	301.03
2	482.90	4624.50	34.60	.00	54.3	561.0	3.4	10.1	.3300-04	301.03
3	477.20	4618.30	5.20	.00	17.0	478.0	1.0	7.9	.1371-03	49.35
4	478.90	4619.20	471.40	.00	76.2	461.0	3.1	15.1	.4159-03	315.17
5	478.90	4619.20	41.80	.00	48.8	461.0	2.4	15.1	.6675-04	224.58
6	476.40	4621.90	48.90	.00	41.2	533.0	3.2	15.6	.4018-04	328.61
7	480.40	4623.60	175.30	.00	52.7	477.0	2.4	8.1	.4363-03	175.30
8	477.20	4618.30	5.20	.00	17.0	478.0	1.0	7.9	.1371-03	49.35
9	477.20	4618.30	5.20	.00	17.0	478.0	1.0	7.9	.1371-03	49.35
10	477.20	4618.30	35.60	.00	8.6	1089.0	.8	15.0	.5626-03	64.46

AREA SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2 EMISSIONS (GRAMS/SQ. M/SEC)	PART EMISSIONS	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	470.0	4620.0	2.4960-07	0.0000	2.5	20.0	6.2400-04
2	472.5	4620.0	2.4160-07	2.0000-07	2.5	20.0	6.0400-04
3	470.0	4615.0	2.4400-07	1.0080-07	5.0	20.0	1.2200-03
4	475.0	4622.5	1.9200-08	1.6000-09	2.5	20.0	4.8000-05
5	475.0	4620.0	7.4720-07	1.9520-07	2.5	20.0	1.8680-03
6	477.5	4622.5	2.4000-08	4.8000-09	2.5	20.0	6.0000-05
7	477.5	4620.0	7.3600-07	1.8720-07	2.5	20.0	1.8400-03
8	475.0	4615.0	3.6800-07	1.5240-07	5.0	20.0	1.8400-03
9	475.0	4610.0	1.3400-07	9.5200-08	5.0	20.0	6.7000-04
10	480.0	4620.0	1.5240-07	6.7200-08	5.0	20.0	7.6200-04
11	480.0	4615.0	1.4680-07	6.8400-08	5.0	20.0	7.3400-04
12	480.0	4610.0	1.0160-07	5.6000-08	5.0	20.0	5.0800-04
13	485.0	4625.0	1.5000-07	1.0840-07	5.0	20.0	7.5000-04
14	485.0	4620.0	1.4760-07	6.6000-08	5.0	20.0	7.3800-04
15	485.0	4615.0	1.0160-07	6.4400-08	5.0	20.0	5.0800-04
16	485.0	4610.0	0.0000	0.0000	5.0	20.0	0.0000
17	490.0	4625.0	1.6480-07	7.4400-08	5.0	20.0	8.2400-04
18	490.0	4620.0	1.1720-07	6.0400-08	5.0	20.0	5.8600-04
19	490.0	4615.0	0.0000	0.0000	5.0	20.0	0.0000
20	495.0	4630.0	1.0240-07	5.6400-08	5.0	20.0	5.1200-04
21	495.0	4625.0	1.6280-07	1.0920-07	5.0	20.0	8.1400-04
22	495.0	4620.0	1.4560-07	9.4400-08	5.0	20.0	7.2800-04
23	495.0	4615.0	0.0000	0.0000	5.0	20.0	0.0000

THE ORIGIN IN INTERNAL UNITS IS(188, 1844)
THE SIZE OF THE AREA SOURCE ARRAY IS (12, 10)
XMIN= 188.00 XMAX= 200.00 YMIN= 1844.00 YMAX= 1854.00

0	0	0	0	0	0	0	0	0	0	20	20
0	0	0	0	0	0	0	0	0	0	20	20
0	0	0	0	0	0	13	13	17	17	21	21
0	0	0	0	0	0	13	13	17	17	21	21
0	0	4	6	10	10	14	14	18	18	22	22
1	2	5	7	10	10	14	14	18	18	22	22
3	3	8	8	11	11	15	15	19	19	23	23
3	3	8	8	11	11	15	15	19	19	23	23
0	0	9	9	12	12	16	16	0	0	0	0
0	0	9	9	12	12	16	16	0	0	0	0

TAL EMISSION AND CUMULATIVE FRACTION ACCORDING TO HEIGH

HEIGHT(M)	TOTAL POINT EMISSIONS(G/S)	CUMULATIVE FRACTION	TOTAL AREA EMISSIONS(G/S)	CUMULATIVE FRACTION
0 - 5	.00	.000	.00	.000
6 - 10	35.60	.041	.00	.000
11 - 15	.00	.041	.00	.000
16 - 20	15.60	.060	68.58	1.000
21 - 25	.00	.060	.00	1.000
26 - 30	.00	.060	.00	1.000
31 - 35	.00	.060	.00	1.000
36 - 40	.00	.060	.00	1.000
41 - 45	48.90	.116	.00	1.000
46 - 50	41.80	.165	.00	1.000
51 - 55	246.20	.452	.00	1.000
56 - 60	.00	.452	.00	1.000
61 - 65	.00	.452	.00	1.000
66 - 70	.00	.452	.00	1.000
71 - 75	.00	.452	.00	1.000
76 - 80	471.40	1.000	.00	1.000
81 - 85	.00	1.000	.00	1.000
86 - 90	.00	1.000	.00	1.000
91 - 95	.00	1.000	.00	1.000
96 -100	.00	1.000	.00	1.000
TOTAL	859.50		68.58	

SIGNIFICANT SO2 POINT SOURCES

RANK	CHI-MAX (G/CU. M)	SOURCE NO.
1	5.6262-04	10
2	4.3627-04	7
3	4.1588-04	4
4	1.3712-04	3
5	1.3712-04	8
6	1.3712-04	9
7	6.6748-05	5
8	4.0181-05	6
9	3.4626-05	1
10	3.3005-05	2

SIGNIFICANT SO2 AREA SOURCES

RANK	Q*LENGTH (G-KM/SEC)	SOURCE NO.
1	1.8680-03	5
2	1.8400-03	7
3	1.8400-03	8
4	1.2200-03	3
5	8.2400-04	17
6	8.1400-04	21
7	7.6200-04	10
8	7.5000-04	13
9	7.3800-04	14
10	7.3400-04	11

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FURPUR 0026-08/28-13:57
FACILITY REJECTED 440000400000
FACILITY REJECTED 400010000000
READY

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	431.20	4584.60	106.20	.00	40.0	347.0	1.7	20.3	.5839-03	113.49
2	431.20	4584.40	24.20	.00	40.0	344.0	3.4	6.3	.1143-03	123.34
3	431.20	4584.30	24.20	.00	40.0	433.0	3.4	19.2	.2005-04	327.01
4	430.70	4583.80	329.80	.00	41.8	567.0	4.6	6.1	.3065-03	305.66
5	434.60	4590.50	1.99	.00	30.0	700.0	2.0	8.0	.6173-05	155.35
6	434.60	4590.50	1.99	.00	30.0	783.0	2.0	11.0	.4214-05	191.54
7	435.40	4585.10	64.54	.00	21.9	472.0	1.6	15.5	.2817-03	128.80
8	435.40	4585.10	40.03	.00	21.9	644.0	1.6	11.7	.1592-03	135.53
9	435.40	4585.10	64.54	.00	21.9	472.0	1.6	15.5	.2817-03	128.80
10	435.40	4585.10	40.03	.00	21.9	644.0	1.6	11.7	.1592-03	135.53

AREA SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2 EMISSIONS (GRAMS/SQ. M/SEC)	PART EMISSIONS	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	422.5	4590.0	1.0864-06	2.1920-07	2.5	20.0	2.7160-03
2	425.0	4590.0	1.0064-06	2.2400-07	2.5	20.0	2.5160-03
3	425.0	4587.5	1.7088-06	3.2800-07	2.5	20.0	4.2720-03
4	425.0	4585.0	1.5968-06	3.1200-07	2.5	20.0	3.9920-03
5	427.5	4592.5	3.1520-07	7.8400-08	2.5	20.0	7.8800-04
6	427.5	4590.0	2.0032-06	4.1920-07	2.5	20.0	5.0080-03
7	427.5	4587.5	1.8432-06	3.6640-07	2.5	20.0	4.6080-03
8	427.5	4585.0	1.2768-06	6.9600-07	2.5	20.0	3.1920-03
9	425.0	4580.0	5.5560-07	5.6160-07	5.0	20.0	2.7780-03
10	425.0	4575.0	8.9440-07	1.7720-07	5.0	20.0	4.4720-03
11	425.0	4570.0	7.1200-08	2.1200-08	5.0	20.0	3.5600-04
12	430.0	4592.5	1.3312-06	2.7200-07	2.5	20.0	3.3280-03
13	430.0	4590.0	3.3616-06	6.8160-07	2.5	20.0	8.4040-03
14	430.0	4587.5	2.4560-06	4.9280-07	2.5	20.0	6.1400-03
15	430.0	4585.0	2.4400-06	4.8960-07	2.5	20.0	6.1000-03
16	430.0	4582.5	1.3472-06	7.0880-07	2.5	20.0	3.3680-03
17	430.0	4580.0	1.2784-06	2.3520-07	2.5	20.0	3.1960-03
18	432.5	4592.5	2.1040-06	4.3840-07	2.5	20.0	5.2600-03
19	432.5	4590.0	4.8656-06	9.8880-07	2.5	20.0	1.2164-02
20	432.5	4587.5	3.2992-06	6.6720-07	2.5	20.0	8.2480-03
21	432.5	4585.0	2.1872-06	4.5280-07	2.5	20.0	5.4680-03
22	432.5	4582.5	2.1376-06	4.1120-07	2.5	20.0	5.3440-03
23	432.5	4580.0	1.2448-06	2.3200-07	2.5	20.0	3.1120-03
24	430.0	4575.0	2.9400-07	5.9200-08	5.0	20.0	1.4700-03
25	430.0	4570.0	2.2320-07	4.3600-08	5.0	20.0	1.1160-03
26	435.0	4592.5	2.6080-06	5.9840-07	2.5	20.0	6.5200-03
27	435.0	4590.0	3.4544-06	8.1920-07	2.5	20.0	8.6360-03
28	435.0	4587.5	2.9728-06	6.9440-07	2.5	20.0	7.4320-03
29	435.0	4585.0	8.7840-07	1.8240-07	2.5	20.0	2.1960-03
30	435.0	4582.5	2.4768-06	4.8960-07	2.5	20.0	6.1920-03
31	435.0	4580.0	3.0864-06	6.0480-07	2.5	20.0	7.7160-03
32	435.0	4575.0	8.7560-07	1.6640-07	5.0	20.0	4.3780-03
33	435.0	4570.0	1.7200-07	3.4800-08	5.0	20.0	8.6000-04

THE ORIGIN IN INTERNAL UNITS IS(169, 1828)
THE SIZE OF THE AREA SOURCE ARRAY IS (7, 10)
RMIN= 169.00 RMAX= 176.00 SMIN= 1828.00 SMAX= 1838.00

```
 0  0  5 12 18 26  0
 1  2  6 13 19 27  0
 0  3  7 14 20 28  0
 0  4  8 15 21 29  0
 0  9  9 16 22 30  0
 0  9  9 17 23 31  0
 0 10 10 24 24 32 32
 0 10 10 24 24 32 32
 0 11 11 25 25 33 33
 0 11 11 25 25 33 33
```

TOTAL EMISSION AND CUMULATIVE FRACTION ACCORDING TO HEIGHT

HEIGHT(M)	TOTAL POINT EMISSIONS(G/S)	CUMULATIVE FRACTION	TOTAL AREA EMISSIONS(G/S)	CUMULATIVE FRACTION
0 - 5	.00	.000	.00	.000
6 - 10	.00	.000	.00	.000
11 - 15	.00	.000	.00	.000
16 - 20	.00	.000	416.94	1.000
21 - 25	209.14	.300	.00	1.000
26 - 30	3.98	.306	.00	1.000
31 - 35	.00	.306	.00	1.000
36 - 40	154.60	.527	.00	1.000
41 - 45	329.80	1.000	.00	1.000
46 - 50	.00	1.000	.00	1.000
51 - 55	.00	1.000	.00	1.000
56 - 60	.00	1.000	.00	1.000
61 - 65	.00	1.000	.00	1.000
66 - 70	.00	1.000	.00	1.000
71 - 75	.00	1.000	.00	1.000
76 - 80	.00	1.000	.00	1.000
81 - 85	.00	1.000	.00	1.000
86 - 90	.00	1.000	.00	1.000
91 - 95	.00	1.000	.00	1.000
96 -100	.00	1.000	.00	1.000
TOTAL	697.52		416.94	

SIGNIFICANT SO2 POINT SOURCES

RANK	CHI-MAX (G/CU. M)	SOURCE NO.
1	5.8389-04	1
2	3.0654-04	4
3	2.8172-04	7
4	2.8172-04	9
5	1.5924-04	8
6	1.5924-04	10
7	1.1432-04	2
8	2.0051-05	3
9	6.1730-06	5
10	4.2137-06	6

SIGNIFICANT SO2 AREA SOURCES

RANK	Q*LENGTH (G-KM/SEC)	SOURCE NO.
1	1.2164-02	19
2	8.6360-03	27
3	8.4040-03	13
4	8.2480-03	20
5	7.7160-03	31
6	7.4320-03	28
7	6.5200-03	26
8	6.1920-03	30
9	6.1400-03	14
10	6.1000-03	15

READY
HEIGHT ABOVE 100M FOR POINT SOURCE # 12
CRITICAL DAY RAM ANALYSIS, R5 CUY-LAKE STATUS QUO, (28 AUG 76)

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	449.20	4595.00	299.00	.00	58.5	615.0	4.1	14.3	.1383-03	460.56
2	449.20	4595.00	63.26	.00	59.1	644.0	3.3	9.1	.6031-04	301.12
3	450.80	4600.00	64.60	.00	45.7	505.0	3.3	4.8	.1421-03	187.58
4	455.60	4602.70	20.80	.00	15.5	505.0	1.4	14.1	.1354-03	103.46
5	455.60	4602.70	.00	.00	45.7	553.0	2.0	2.8	.0000	94.34
6	452.30	4600.10	26.48	.00	53.3	533.0	3.0	9.1	.3608-04	245.80
7	463.00	4613.20	6.20	.00	12.0	808.0	4.0	22.0	.1961-05	580.75
8	463.00	4613.00	891.40	.00	91.4	401.0	4.8	11.7	.5721-03	379.98
9	463.00	4613.00	891.40	.00	91.4	401.0	4.8	11.7	.5721-03	379.98
10	463.00	4613.00	891.40	.00	91.4	401.0	4.8	11.7	.5721-03	379.98
11	463.00	4612.90	1553.00	.00	91.2	386.0	5.5	12.3	.8426-03	419.36
12	463.00	4612.90	4091.00	.00	182.9	414.0	7.3	21.1	.6359-03	898.44
13	460.00	4606.50	4.17	.00	15.0	561.0	1.0	7.0	.1089-03	49.60
14	465.40	4610.20	58.98	.00	24.1	561.0	1.9	7.4	.2994-03	118.57
15	457.60	4604.60	9.30	.00	26.0	505.0	1.4	9.0	.8048-04	88.81
16	457.60	4604.60	11.40	.00	46.0	505.0	1.8	9.0	.4413-04	137.57
17	457.60	4604.60	9.30	.00	26.0	505.0	1.4	9.0	.8048-04	88.81

AREA SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2 EMISSIONS (GRAMS/SQ. M/SEC)	PART EMISSIONS (GRAMS/SQ. M/SEC)	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	450.0	4602.5	2.6880-07	6.5600-08	2.5	20.0	6.7200-04
2	450.0	4600.0	2.5968-06	5.5520-07	2.5	20.0	6.4920-03
3	450.0	4597.5	5.7072-06	1.3104-06	2.5	20.0	1.4268-02
4	450.0	4595.0	2.6704-06	7.2000-07	2.5	20.0	6.6760-03
5	450.0	4592.5	3.1216-06	6.4000-07	2.5	20.0	7.8040-03
6	452.5	4605.0	2.4000-07	5.2800-08	2.5	20.0	6.0000-04
7	452.5	4602.5	2.1808-06	4.6240-07	2.5	20.0	5.4520-03
8	452.5	4600.0	2.9744-06	6.4800-07	2.5	20.0	7.4360-03
9	452.5	4597.5	3.8784-06	8.0320-07	2.5	20.0	9.6960-03
10	452.5	4595.0	2.6944-06	5.3120-07	2.5	20.0	6.7360-03
11	452.5	4592.5	3.6080-06	7.1200-07	2.5	20.0	9.0200-03
12	455.0	4605.0	3.7824-06	7.6640-07	2.5	20.0	9.4560-03
13	455.0	4602.5	1.7760-06	3.5680-07	2.5	20.0	4.4400-03
14	455.0	4600.0	1.2032-06	2.4800-07	2.5	20.0	3.0080-03
15	455.0	4597.5	1.6624-06	3.2160-07	2.5	20.0	4.1560-03
16	455.0	4595.0	2.8016-06	5.4720-07	2.5	20.0	7.0040-03
17	455.0	4592.5	2.6800-06	5.1040-07	2.5	20.0	6.7000-03
18	457.5	4607.5	7.1680-07	1.4560-07	2.5	20.0	1.7920-03
19	457.5	4605.0	1.5776-06	3.1520-07	2.5	20.0	3.9440-03
20	457.5	4602.5	1.3312-06	2.8000-07	2.5	20.0	3.3280-03
21	457.5	4600.0	1.0480-06	6.6400-07	2.5	20.0	2.6200-03
22	457.5	4597.5	1.1936-06	2.2720-07	2.5	20.0	2.9840-03
23	457.5	4595.0	1.6640-06	3.2320-07	2.5	20.0	4.1600-03
24	457.5	4592.5	5.7760-07	1.1520-07	2.5	20.0	1.4440-03
25	460.0	4595.0	1.0316-06	2.0520-07	5.0	20.0	5.1580-03
26	460.0	4605.0	2.3040-06	5.6480-07	2.5	20.0	5.7600-03
27	460.0	4607.5	6.9440-07	5.5360-07	2.5	20.0	1.7360-03
28	460.0	4610.0	6.7200-07	2.8320-07	2.5	20.0	1.6800-03
29	462.5	4612.5	1.2480-07	1.1520-07	2.5	20.0	3.1200-04
30	462.5	4610.0	4.8000-07	2.6880-07	2.5	20.0	1.2000-03
31	462.5	4607.5	3.5200-07	2.8480-07	2.5	20.0	8.8000-04
32	462.5	4605.0	1.1520-07	1.1360-07	2.5	20.0	2.8800-04
33	460.0	4600.0	1.2000-07	6.1600-08	5.0	20.0	6.0000-04
34	465.0	4615.0	3.5200-07	1.5840-07	2.5	20.0	8.8000-04
35	467.5	4617.5	3.2000-07	1.4400-07	2.5	20.0	8.0000-04
36	467.5	4615.0	4.8000-07	2.4000-07	2.5	20.0	1.2000-03
37	465.0	4610.0	3.3600-07	1.3840-07	5.0	20.0	1.6800-03
38	465.0	4605.0	1.9200-07	8.1600-08	5.0	20.0	9.6000-04
39	470.0	4610.0	1.3520-07	1.1560-07	5.0	20.0	6.7600-04

THE ORIGIN IN INTERNAL UNITS IS(-180, 1837)
THE SIZE OF THE AREA SOURCE ARRAY IS (10, 11)
RMIN= 180.00 RMAX= 190.00 SMIN= 1837.00 SMAX= 1848.00

0	0	0	0	0	0	0	35	0	0
0	0	0	0	0	0	34	36	0	0
0	0	0	0	0	29	37	37	39	39
0	0	0	0	28	30	37	37	39	39
0	0	0	18	27	31	38	38	0	0
0	6	12	19	26	32	38	38	0	0
1	7	13	20	33	33	0	0	0	0
2	8	14	21	33	33	0	0	0	0
3	9	15	22	25	25	0	0	0	0
4	10	16	23	25	25	0	0	0	0
5	11	17	24	0	0	0	0	0	0

TAL EMISSION AND CUMULATIVE FRACTION ACCORDING TO HEIGHT

HEIGHT(M)	TOTAL POINT EMISSIONS(G/S)	CUMULATIVE FRACTION	TOTAL AREA EMISSIONS(G/S)	CUMULATIVE FRACTION
0 - 5	.00	.000	.00	.000
6 - 10	.00	.000	.00	.000
11 - 15	10.37	.001	.00	.000
16 - 20	20.80	.004	406.93	1.000
21 - 25	58.98	.010	.00	1.000
26 - 30	18.60	.012	.00	1.000
31 - 35	.00	.012	.00	1.000
36 - 40	.00	.012	.00	1.000
41 - 45	.00	.012	.00	1.000
46 - 50	76.00	.021	.00	1.000
51 - 55	26.48	.024	.00	1.000
56 - 60	362.26	.064	.00	1.000
61 - 65	.00	.064	.00	1.000
66 - 70	.00	.064	.00	1.000
71 - 75	.00	.064	.00	1.000
76 - 80	.00	.064	.00	1.000
81 - 85	.00	.064	.00	1.000
86 - 90	.00	.064	.00	1.000
91 - 95	4227.20	.540	.00	1.000
96 -100	4091.00	1.000	.00	1.000
TOTAL	8891.69		406.93	

SIGNIFICANT SO2 POINT SOURCES

RANK	CHI-MAX (G/CU. M)	SOURCE NO.
1	8.4262-04	11
2	6.3592-04	12
3	5.7205-04	8
4	5.7205-04	9
5	5.7205-04	10
6	2.9937-04	14
7	1.4210-04	3
8	1.3831-04	1
9	1.3538-04	4
10	1.0890-04	13
11	8.0484-05	15
12	8.0484-05	17
13	6.0314-05	2
14	4.4133-05	16
15	3.6076-05	6
16	1.9610-06	7
17	0.0000*	5

SIGNIFICANT SO2 AREA SOURCES

RANK	Q*LENGTH (G-KM/SEC)	SOURCE NO.
1	1.4268-02	3
2	9.6960-03	9
3	9.4560-03	12
4	9.0200-03	11
5	7.8040-03	5
6	7.4360-03	8
7	7.0040-03	16
8	6.7360-03	10
9	6.7000-03	17
10	6.6760-03	4

A COPY OF THE LORAIN STATUS QUO CRITICAL DAY RAM ANALYSIS IS AVAILABLE FOR INSPECTION AT THE EPA REGION V OFFICE

READY
HEIGHT ABOVE 100M FOR POINT SOURCE # 7
HEIGHT ABOVE 100M FOR POINT SOURCE # 8
CRITICAL DAY RAM ANALYSIS, LORAIN CONTROL STRATEGY (8/28/76)

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	412.20	4595.20	55.00	.00	84.5	480.0	5.5	10.1	.2437-04	472.39
2	412.20	4595.20	55.00	.00	84.5	480.0	5.5	10.1	.2437-04	472.39
3	412.20	4595.20	55.00	.00	84.5	480.0	5.5	10.1	.2437-04	472.39
4	412.20	4595.20	55.00	.00	84.5	480.0	5.5	10.1	.2437-04	472.39
5	412.20	4595.20	233.20	.00	90.0	403.0	4.0	13.0	.1814-03	339.37
6	412.20	4595.20	233.20	.00	90.0	403.0	4.0	13.0	.1814-03	339.37
7	412.10	4595.20	491.70	.00	120.0	394.0	5.2	13.1	.2364-03	450.24
8	412.00	4595.20	*1332.40	.00	183.0	414.0	7.3	20.7	.2101-03	890.58
9	405.30	4579.80	8.10	.00	22.0	561.0	1.2	13.4	.5837-04	97.91
10	405.30	4579.80	8.10	.00	22.0	561.0	1.2	13.4	.5837-04	97.91
11	405.30	4579.80	21.50	.00	22.0	441.0	1.3	12.3	.2161-03	82.01
12	394.00	4586.50	22.20	.00	24.4	465.0	1.7	7.5	.1833-03	91.07
13	394.00	4586.50	22.20	.00	24.4	465.0	1.7	7.5	.1833-03	91.07
14	394.00	4586.50	22.20	.00	24.4	465.0	1.7	8.0	.1714-03	94.37
15	405.30	4579.80	14.60	.00	22.0	450.0	1.4	13.2	.1118-03	94.81
16	400.60	4591.30	423.90	.00	77.5	449.0	5.3	6.8	.3108-03	351.36
17	400.60	4591.30	496.00	.00	85.4	414.0	3.2	18.3	.4058-03	329.45
18	404.20	4589.00	16.60	.00	29.9	505.0	2.4	9.5	.4153-04	174.80
19	404.20	4589.00	16.60	.00	29.9	505.0	2.4	9.5	.4153-04	174.80
20	404.20	4589.00	16.60	.00	29.9	505.0	2.4	9.5	.4153-04	174.80
21	404.20	4589.00	16.60	.00	29.9	505.0	2.4	9.5	.4153-04	174.80
22	404.20	4589.00	16.60	.00	29.9	505.0	2.4	9.5	.4153-04	174.80
23	404.20	4589.00	16.60	.00	29.9	505.0	2.4	14.0	.5734-04	212.76
24	404.30	4589.00	32.65	.00	29.9	505.0	2.4	14.0	.5734-04	212.76
25	404.30	4589.00	32.65	.00	29.9	505.0	2.4	14.0	.5734-04	212.76
26	404.30	4589.00	32.65	.00	29.9	505.0	2.4	14.0	.5734-04	212.76
27	404.10	4589.10	16.80	.00	35.7	505.0	3.7	19.1	.9628-05	406.08
28	404.80	4589.30	17.20	.00	76.2	505.0	3.7	2.2	.4526-04	170.02
29	404.90	4589.40	49.00	.00	76.2	505.0	3.7	2.1	.1335-03	166.80
30	404.60	4589.40	51.40	.00	76.2	505.0	3.7	2.4	.1265-03	176.34
31	405.20	4589.00	23.30	.00	38.1	533.0	1.8	.8	.5194-03	53.81
32	405.20	4589.00	5.20	.00	38.1	533.0	1.8	.8	.1159-03	53.81
33	405.20	4589.00	10.30	.00	51.5	533.0	2.4	.9	.1139-03	77.92
34	406.70	4589.20	.94	.00	38.1	589.0	1.2	10.6	.6212-05	102.59
35	406.80	4589.40	11.70	.00	14.0	505.0	1.1	.7	.1704-02	20.44
36	406.80	4589.30	1.50	.00	38.1	589.0	1.5	2.0	.2410-04	63.90
37	406.80	4589.30	3.40	.00	38.1	589.0	1.5	4.3	.3273-04	83.91
38	406.80	4589.20	3.00	.00	38.1	589.0	1.5	4.0	.3051-04	81.49
39	406.10	4589.50	8.30	.00	30.5	589.0	1.6	5.3	.7074-04	89.54
40	406.20	4589.20	4.70	.00	30.5	589.0	1.2	2.8	.1031-03	54.26
41	406.20	4589.20	6.20	.00	30.5	589.0	1.2	1.4	.1986-03	44.63
42	406.20	4589.20	9.20	.00	30.5	589.0	1.2	4.9	.1364-03	66.66
43	404.90	4589.10	16.40	.00	24.4	505.0	3.7	2.4	.7611-04	124.54
44	404.90	4589.10	16.40	.00	24.4	505.0	3.7	2.4	.7611-04	124.54
45	404.90	4589.10	16.40	.00	24.4	505.0	3.7	2.4	.7611-04	124.54
46	406.70	4589.30	3.00	.00	14.0	505.0	1.1	.7	.4369-03	20.44
47	406.70	4589.30	.35	.00	14.0	505.0	1.1	.7	.5097-04	20.44

426<

AREA SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2 EMISSIONS (GRAMS/SQ. M/SEC)	PART EMISSIONS (GRAMS/SQ. M/SEC)	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	420.0	4590.0	5.6480-07	1.1520-07	2.5	20.0	1.4120-03
2	420.0	4592.5	6.2560-07	1.2320-07	2.5	20.0	1.5640-03
3	420.0	4585.0	8.4960-07	1.6360-07	5.0	20.0	4.2480-03
4	420.0	4580.0	7.9920-07	1.5560-07	5.0	20.0	3.9960-03
5	385.0	4585.0	3.6000-09	1.6000-09	5.0	20.0	1.8000-05
6	385.0	4580.0	1.0640-07	5.7600-08	5.0	20.0	5.3200-04
7	385.0	4565.0	6.6400-08	3.7600-08	5.0	20.0	3.3200-04
8	385.0	4550.0	3.6000-09	1.6000-09	5.0	20.0	1.8000-05
9	390.0	4585.0	3.4800-08	2.5200-08	5.0	20.0	1.7400-04
10	390.0	4580.0	4.4000-08	3.2800-08	5.0	20.0	2.2000-04
11	390.0	4575.0	3.3240-07	1.9160-07	5.0	20.0	1.6620-03
12	390.0	4570.0	2.4800-08	1.6800-08	5.0	20.0	1.2400-04
13	390.0	4565.0	2.2400-08	1.4400-08	5.0	20.0	1.1200-04
14	390.0	4560.0	3.6000-09	1.6000-09	5.0	20.0	1.8000-05
15	390.0	4555.0	1.8800-08	1.2000-08	5.0	20.0	9.4000-05
16	390.0	4550.0	2.3600-08	1.4000-08	5.0	20.0	1.1800-04
17	395.0	4585.0	1.1720-07	9.0400-08	5.0	20.0	5.8600-04
18	395.0	4580.0	9.8800-08	7.5600-08	5.0	20.0	4.9400-04
19	395.0	4575.0	7.1200-08	5.4000-08	5.0	20.0	3.5600-04
20	395.0	4570.0	9.4800-08	7.1200-08	5.0	20.0	4.7400-04
21	395.0	4565.0	1.8400-08	1.2800-08	5.0	20.0	9.2000-05
22	395.0	4560.0	3.6000-09	1.6000-09	5.0	20.0	1.8000-05
23	395.0	4555.0	6.0800-08	4.6400-08	5.0	20.0	3.0400-04
24	395.0	4545.0	1.7600-08	1.1600-08	5.0	20.0	8.8000-05
25	400.0	4585.0	4.2640-07	3.3440-07	5.0	20.0	2.1320-03
26	400.0	4580.0	4.4400-08	3.3200-08	5.0	20.0	2.2200-04
27	400.0	4575.0	2.8800-08	2.0000-08	5.0	20.0	1.4400-04
28	400.0	4570.0	3.6000-09	1.6000-09	5.0	20.0	1.8000-05
29	400.0	4565.0	3.6000-09	1.6000-09	5.0	20.0	1.8000-05
30	400.0	4560.0	3.6000-09	1.6000-09	5.0	20.0	1.8000-05
31	405.0	4585.0	1.6960-07	1.3000-07	5.0	20.0	8.4800-04
32	405.0	4580.0	3.1400-07	2.4560-07	5.0	20.0	1.5700-03
33	405.0	4575.0	2.5640-07	2.0120-07	5.0	20.0	1.2820-03
34	405.0	4570.0	3.0800-08	2.1600-08	5.0	20.0	1.5400-04
35	405.0	4565.0	3.6000-09	1.6000-09	5.0	20.0	1.8000-05
36	405.0	4560.0	3.3600-08	2.4000-08	5.0	20.0	1.6800-04
37	405.0	4555.0	1.7600-08	1.2000-08	5.0	20.0	8.8000-05
38	410.0	4595.0	2.1200-08	1.5600-08	5.0	20.0	1.0600-04
39	410.0	4590.0	8.0400-08	6.0800-08	5.0	20.0	4.0200-04
40	410.0	4585.0	4.7600-08	3.4800-08	5.0	20.0	2.3800-04
41	410.0	4580.0	8.5200-08	6.4000-08	5.0	20.0	4.2600-04
42	410.0	4575.0	2.3200-08	1.7200-08	5.0	20.0	1.1600-04
43	410.0	4570.0	2.1600-08	1.3600-08	5.0	20.0	1.0800-04
44	410.0	4565.0	2.2400-08	1.6800-08	5.0	20.0	1.1200-04
45	410.0	4560.0	2.3200-08	1.4800-08	5.0	20.0	1.1600-04
46	415.0	4595.0	1.8000-08	1.2000-08	5.0	20.0	9.0000-05
47	415.0	4590.0	6.1600-08	4.6400-08	5.0	20.0	3.0800-04
48	415.0	4585.0	2.8000-08	2.1200-08	5.0	20.0	1.4000-04
49	415.0	4580.0	9.4000-08	7.1200-08	5.0	20.0	4.7000-04
50	415.0	4575.0	3.2000-08	2.2400-08	5.0	20.0	1.6000-04
51	415.0	4570.0	3.7600-08	2.6800-08	5.0	20.0	1.8800-04
52	420.0	4575.0	2.2000-08	1.4000-08	5.0	20.0	1.1000-04
53	420.0	4570.0	2.9200-08	2.1600-08	5.0	20.0	1.4600-04
54	400.0	4590.0	2.0560-07	1.6240-07	5.0	20.0	1.0280-03
55	405.0	4590.0	1.0840-07	8.2000-08	5.0	20.0	5.4200-04

427<

THE ORIGIN IN INTERNAL UNITS IS(154, 1818)
THE SIZE OF THE AREA SOURCE ARRAY IS (16, 22)
RMIN= 154.00 RMAX= 170.00 SMIN= 1818.00 SMAX= 1840.00

0	0	0	0	0	0	0	0	0	0	38	38	46	46	0	0
0	0	0	0	0	0	0	0	0	0	38	38	46	46	0	0
0	0	0	0	0	0	54	54	55	55	39	39	47	47	2	0
0	0	0	0	0	0	54	54	55	55	39	39	47	47	1	0
5	5	9	9	17	17	25	25	31	31	40	40	48	48	3	3
5	5	9	9	17	17	25	25	31	31	40	40	48	48	3	3
6	6	10	10	18	18	26	26	32	32	41	41	49	49	4	4
6	6	10	10	18	18	26	26	32	32	41	41	49	49	4	4
0	0	11	11	19	19	27	27	33	33	42	42	50	50	52	52
0	0	11	11	19	19	27	27	33	33	42	42	50	50	52	52
0	0	12	12	20	20	28	28	34	34	43	43	51	51	53	53
0	0	12	12	20	20	28	28	34	34	43	43	51	51	53	53
7	7	13	13	21	21	29	29	35	35	44	44	0	0	0	0
7	7	13	13	21	21	29	29	35	35	44	44	0	0	0	0
0	0	14	14	22	22	30	30	36	36	45	45	0	0	0	0
0	0	14	14	22	22	30	30	36	36	45	45	0	0	0	0
0	0	15	15	23	23	0	0	37	37	0	0	0	0	0	0
0	0	15	15	23	23	0	0	37	37	0	0	0	0	0	0
8	8	16	16	0	0	0	0	0	0	0	0	0	0	0	0
8	8	16	16	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	24	24	0	0	0	0	0	0	0	0	0	0
0	0	0	0	24	24	0	0	0	0	0	0	0	0	0	0

TOTAL EMISSION AND CUMULATIVE FRACTION ACCORDING TO HEIGHT

HEIGHT(M)	TOTAL POINT EMISSIONS(G/S)	CUMULATIVE FRACTION	TOTAL AREA EMISSIONS(G/S)	CUMULATIVE FRACTION
5.00	.00	.000	.00	.000

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TOTAL EMISSION AND CUMULATIVE FRACTION ACCORDING TO HEIGHT

HEIGHT(M)	TOTAL POINT EMISSIONS(G/S)	CUMULATIVE FRACTION	TOTAL AREA EMISSIONS(G/S)	CUMULATIVE FRACTION
0 - 5	.00	.000	.00	.000
6 - 10	.00	.000	.00	.000
11 - 15	15.05	.004	.00	.000
16 - 20	.00	.004	135.26	1.000
21 - 25	168.10	.046	.00	1.000
26 - 30	197.55	.095	.00	1.000
31 - 35	28.40	.102	.00	1.000
36 - 40	54.14	.115	.00	1.000
41 - 45	.00	.115	.00	1.000
46 - 50	.00	.115	.00	1.000
51 - 55	10.30	.118	.00	1.000
56 - 60	.00	.118	.00	1.000
61 - 65	.00	.118	.00	1.000
66 - 70	.00	.118	.00	1.000
71 - 75	.00	.118	.00	1.000
76 - 80	541.50	.252	.00	1.000
81 - 85	220.00	.307	.00	1.000
86 - 90	962.40	.546	.00	1.000
91 - 95	.00	.546	.00	1.000
96 -100	1824.10	1.000	.00	1.000
TOTAL	4021.54		135.26	

SIGNIFICANT SO2 POINT SOURCES

RANK	CHI-MAX (G/CU. M)	SOURCE NO.
1	1.7039-03	35
2	5.1935-04	31
3	4.3690-04	46
4	4.0580-04	17
5	3.1082-04	16
6	2.3640-04	7
7	2.1606-04	11
8	2.1010-04	8
9	1.9855-04	41
10	1.8330-04	12
11	1.8330-04	13
12	1.8139-04	5
13	1.8139-04	6
14	1.7143-04	14
15	1.3640-04	42
16	1.3351-04	29
17	1.2654-04	30
18	1.1591-04	32
19	1.1392-04	33
20	1.1176-04	15
21	1.0311-04	40
22	7.6114-05	43
23	7.6114-05	44
24	7.6114-05	45
25	7.0737-05	39

SIGNIFICANT SO2 AREA SOURCES

RANK	Q*LENGTH (G-KM/SEC)	SOURCE NO.
1	4.2480-03	3
2	3.9960-03	4
3	2.1320-03	25
4	1.6620-03	11
5	1.5700-03	32
6	1.5640-03	2
7	1.4120-03	1
8	1.2820-03	33
9	1.0280-03	54
10	8.4800-04	31

DAYTON
STATUS Quo

CRITICAL DAY RAM ANALYSIS, DAYTON: MONTGOMERY CTY DAY 278 (4 JUL 74)
EMISSIONS: DAYTON, 1974
MET. DATA- SFC: DAYTON, 1964; UPPER AIR: DAYTON, 1964.

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)
1	739.00	4401.70	20.68	.00	61.0	422.0	2.4	4.1
2	739.00	4401.70	32.51	.00	61.0	422.0	2.4	8.0
3	739.00	4401.70	32.51	.00	61.0	422.0	2.4	5.1
4	739.00	4401.70	35.47	.00	61.0	422.0	2.4	4.6
5	744.10	4399.80	9.81	.00	18.6	606.0	1.5	8.9
6	744.10	4399.80	15.52	.00	18.6	561.0	1.5	8.2
7	733.60	4410.30	4.40	.00	38.1	519.0	1.8	2.7
8	742.00	4405.00	1.80	.00	26.5	505.0	1.0	3.8
9	736.70	4403.50	24.93	.00	53.9	450.0	2.3	8.8
10	736.70	4403.50	18.60	.00	53.9	436.0	2.3	5.8
11	735.90	4394.50	29.39	.00	67.1	455.0	3.1	3.6
12	737.00	4394.70	19.51	.00	30.5	444.0	1.8	9.8
13	737.00	4394.70	29.26	.00	34.6	433.0	2.4	6.9
14	743.40	4402.20	28.38	.00	53.3	561.0	2.0	4.0
15	738.20	4397.00	50.73	.00	61.0	450.0	3.1	12.9
16	738.20	4397.00	53.10	.00	61.0	450.0	3.1	12.1
17	739.80	4403.80	22.51	.00	21.3	478.0	1.7	14.5
18	739.00	4411.00	7.88	.00	57.0	350.0	2.4	4.0
19	741.00	4411.00	7.88	.00	57.0	350.0	2.4	4.0
20	740.20	4403.90	24.15	.00	48.8	505.0	2.4	11.1
21	740.20	4403.90	23.59	.00	48.8	505.0	2.4	11.1
22	740.20	4403.90	65.11	.00	48.8	464.0	3.1	14.7
23	741.40	4404.80	27.52	.00	31.7	505.0	2.4	11.1
24	741.40	4404.80	27.52	.00	31.7	505.0	2.4	11.1
25	732.50	4387.80	207.00	.00	76.2	426.0	4.2	14.0
26	732.50	4387.70	201.80	.00	76.2	425.0	4.2	15.5
27	732.50	4387.70	201.80	.00	76.2	425.0	4.2	15.5
28	732.50	4387.70	19.78	.00	12.2	710.0	4.3	24.6
29	739.00	4401.10	226.20	.00	93.6	483.0	4.9	12.6
30	739.10	4401.10	226.20	.00	93.6	483.0	4.9	12.6
31	739.10	4401.10	299.50	.00	93.6	405.0	4.9	12.6
32	739.10	4401.10	299.50	.00	93.6	405.0	4.9	12.6
33	739.10	4401.50	3.08	.00	6.1	654.0	.8	24.9
34	740.00	4387.00	26.06	.00	7.6	720.0	3.6	22.4
35	740.00	4387.00	29.50	.00	10.1	816.0	3.3	30.2
36	742.40	4405.50	4.35	.00	6.1	654.0	.8	25.2
37	744.00	4399.00	28.18	.00	45.7	444.0	1.4	12.8

CRITICAL DAY MAX ANALYSIS, DAYTON: MONTGOMERY CTY DAY 228 (8 AUG 76)
EMISSIONS: DAYTON, 1974
MET. DATA- SFC: DAYTON, 1948; UPPER AIR: DAYTON, 1948.

AREA SOURCE INFORMATION

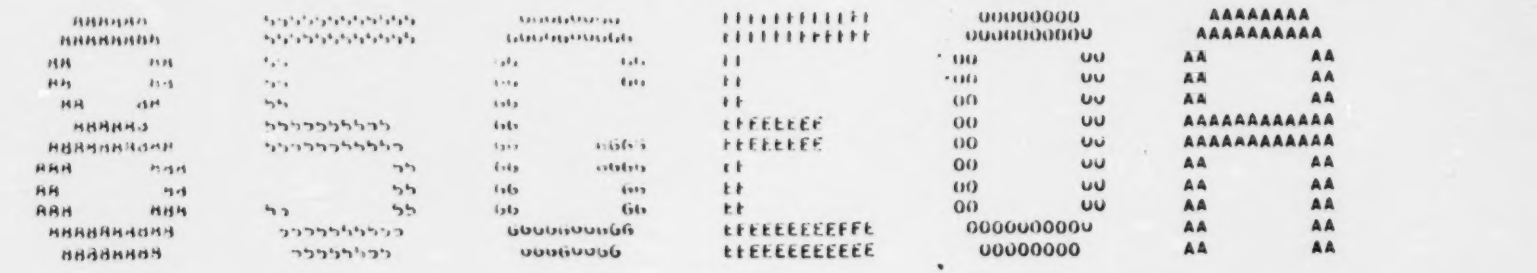
SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC-M**2) EMISSIONS	PART(G/SEC-M**2) EMISSIONS	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (M)
1	735.0	4420.0	1.6960-07	4.3200-07	2.5	20.0
2	737.5	4420.0	7.0400-08	3.4880-07	2.5	20.0
3	715.0	4415.0	6.1600-08	4.4000-08	5.0	20.0
4	720.0	4410.0	2.0200-08	2.6000-08	10.0	20.0
5	730.0	4415.0	4.9200-08	7.6400-08	5.0	20.0
6	735.0	4415.0	1.1440-07	4.1160-07	5.0	20.0
7	740.0	4415.0	4.1200-08	4.2400-08	5.0	20.0
8	745.0	4415.0	5.7200-08	9.4000-08	5.0	20.0
9	730.0	4410.0	5.0400-08	7.5600-08	5.0	20.0
10	737.5	4412.5	9.2800-08	1.4080-07	2.5	20.0
11	740.0	4412.5	1.0240-07	8.1600-08	2.5	20.0
12	742.5	4412.5	2.0480-07	1.2960-07	2.5	20.0
13	745.0	4412.5	2.0480-07	3.6160-07	2.5	20.0
14	735.0	4410.0	1.0560-07	1.7120-07	2.5	20.0
15	737.5	4410.0	1.1360-07	1.9040-07	2.5	20.0
16	740.0	4410.0	1.4720-07	1.4080-07	2.5	20.0
17	742.5	4410.0	8.3200-08	8.6400-08	2.5	20.0
18	745.0	4410.0	1.8880-07	1.1680-07	2.5	20.0
19	715.0	4405.0	6.6400-08	4.6400-08	5.0	20.0
20	715.0	4400.0	2.0160-07	1.1760-07	5.0	20.0
21	720.0	4400.0	2.0000-08	2.3900-08	10.0	20.0
22	730.0	4407.5	9.6000-08	1.4560-07	2.5	20.0
23	732.5	4407.5	1.7760-07	3.1200-07	2.5	20.0
24	735.0	4407.5	1.6800-07	2.9760-07	2.5	20.0
25	737.5	4407.5	2.5600-07	4.6720-07	2.5	20.0
26	740.0	4407.5	1.7760-07	2.2720-07	2.5	20.0
27	742.5	4407.5	8.3200-08	1.1680-07	2.5	20.0
28	745.0	4407.5	1.5200-07	1.7120-07	2.5	20.0
29	747.5	4407.5	8.8000-08	1.6800-07	2.5	20.0
30	732.5	4405.0	1.3280-07	2.2240-07	2.5	20.0
31	735.0	4405.0	2.8320-07	5.1520-07	2.5	20.0
32	737.5	4405.0	4.9160-07	8.1440-07	2.5	20.0
33	740.0	4405.0	3.3120-07	3.8240-07	2.5	20.0
34	742.5	4405.0	3.6960-07	4.2240-07	2.5	20.0
35	745.0	4405.0	2.6560-07	4.8160-07	2.5	20.0
36	747.5	4405.0	1.7920-07	3.9840-07	2.5	20.0
37	730.0	4402.5	8.1600-08	8.3200-08	2.5	20.0
38	732.5	4402.5	1.6160-07	2.7840-07	2.5	20.0
39	735.0	4402.5	3.5840-07	6.4000-07	2.5	20.0
40	737.5	4402.5	3.8720-07	6.2720-07	2.5	20.0
41	740.0	4402.5	3.3920-07	5.3760-07	2.5	20.0
42	742.5	4402.5	4.8640-07	7.9200-07	2.5	20.0
43	745.0	4402.5	4.0480-07	3.8880-07	2.5	20.0
44	747.5	4402.5	8.1600-08	1.1520-07	2.5	20.0
45	730.0	4400.0	7.8400-08	9.7600-08	2.5	20.0
46	732.5	4400.0	9.6000-08	1.4560-07	2.5	20.0
47	735.0	4400.0	1.9360-07	2.5760-07	2.5	20.0

48	737.5	4400.0	1.5040-07	1.6960-07	2.5	20.0
49	740.0	4400.0	1.1360-07	1.8720-07	2.5	20.0
50	742.5	4400.0	2.0480-07	5.1520-07	2.5	20.0
51	745.0	4400.0	3.0400-07	4.7200-07	2.5	20.0
52	747.5	4400.0	9.9200-08	8.0080-08	2.5	20.0
53	715.0	4395.0	4.8000-08	4.7200-08	5.0	20.0
54	720.0	4390.0	2.4900-08	2.0500-08	10.0	20.0
55	730.0	4395.0	4.9800-08	4.0400-08	5.0	20.0
56	735.0	4397.5	5.9400-08	2.0820-08	2.5	20.0
57	737.5	4397.5	1.4240-07	1.4400-07	2.5	20.0
58	740.0	4397.5	1.1040-07	1.8080-07	2.5	20.0
59	742.5	4397.5	2.3680-07	4.2720-07	2.5	20.0
60	745.0	4397.5	1.5680-07	2.7040-07	2.5	20.0
61	747.5	4397.5	8.3200-08	1.1680-07	2.5	20.0
62	735.0	4395.0	1.3600-07	1.2000-07	2.5	20.0
63	737.5	4395.0	1.8560-07	2.9160-07	2.5	20.0
64	740.0	4395.0	8.9800-08	1.1840-07	2.5	20.0
65	742.5	4395.0	1.7280-07	3.0240-07	2.5	20.0
66	745.0	4395.0	1.3920-07	2.3680-07	2.5	20.0
67	730.0	4390.0	9.6400-08	1.2800-07	5.0	20.0
68	735.0	4390.0	9.8000-08	1.3000-07	5.0	20.0
69	740.0	4392.5	7.8400-08	9.2800-08	2.5	20.0
70	742.5	4392.5	9.6000-08	1.9880-07	2.5	20.0
71	745.0	4392.5	1.5520-07	2.6720-07	2.5	20.0
72	740.0	4390.0	1.7120-07	8.6400-08	2.5	20.0
73	742.5	4390.0	8.0000-08	1.0240-07	2.5	20.0
74	745.0	4390.0	1.0720-07	8.1600-08	2.5	20.0
75	725.0	4385.0	4.0800-08	4.5200-08	5.0	20.0
76	730.0	4385.0	1.0280-07	6.0400-08	5.0	20.0
77	735.0	4385.0	7.9200-08	5.1600-08	5.0	20.0
78	740.0	4395.0	4.2000-08	5.8800-08	5.0	20.0
79	745.0	4385.0	2.2080-07	1.2800-07	5.0	20.0
80	715.0	4410.0	0.0000	0.0000	5.0	20.0
81	715.0	4390.0	0.0000	0.0000	5.0	20.0
82	715.0	4385.0	0.0000	0.0000	5.0	20.0
83	720.0	4385.0	0.0000	0.0000	5.0	20.0

Dayton (Montgomery County)

RAM Source No.	Source Name	Final Strategy Emission Rate Q (g SO_2/sec)
1	Delco-Moraine	20.07
2	Delco-Moraine	31.54
3	Delco-Moraine	31.54
4	Delco-Moraine	34.61
5	Defense Electronic Supply	8.63
6	Defense Electronic Supply	13.66
7	Central Service Community	7.26
8	Front Street	2.02
9	Inland-Dayton	35.11
10	Inland Dayton	23.81
11	Miami Paper	42.37
12	Bergstrom Paper	26.23
13	Bergstrom Paper	39.34
14	Dayton Mental Health	24.82
15	Frigidaire	86.35
16	Frigidaire	90.39
17	Dayton Mill-Howard Paper	30.26
18	Montgomery City Incinerator-South	7.88
19	Montgomery City Incinerator-North	7.88

RAM Source No.	Source Name	Final Strategy Emission Rate Q (g SO_2/sec)	
20	D. P. & L. Longworth Street	34.50	
21	D. P. & L. Longworth Street	33.69	
22	D. P. & L. Longworth Street	93.01	
23	D. P. & L. Third Street	37.33	
24	D. P. & L. Third Street	37.33	
25	D. P. & L. Hutchings - Stack 1	217.4	optional eqn
26	D. P. & L. Hutchings - Stack 2	214.3	optional eqn
27	D. P. & L. Hutchings - Stack 3	220.9	
28	D. P. & L. Hutchings - Diesels	45.74	
29	D. P. & L. Tait - Stack 1	170.2	
30	D. P. & L. Tait - Stack 2	170.2	
31	D. P. & L. Tait - Stack 3	225.7	
32	D. P. & L. Tait - Stack 4	224.6	
33	D. P. & L. Tait - Diesels	9.51	
34	D. P. & L. Yankee Substation	80.65	
35	D. P. & L. Yankee Substation	91.31	
36	D. P. & L. Monument Station	12.29	
37	Delco-Kettering	29.66	



Toledo
Region 1 Station Group

RUNID • BSGEOA USER ID • PART NUMBER • 04 INPUT DEVICE • UDR501 OUTPUT DEVICE • DATA0D

FILE NAME • R1 CREATED AT: 16:17:58 AUG 27,1976 PRINTED AT: 18:00:39 AUG 27,1976

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@DELETE.C TO-RICO-PRE.
FORPUR 0026-08/27-15:18

@CAT.P TO-RICO-PRE.
READY

@ASG.A TO-RICO-PRE.
READY

@USE 9..TO-RICO-PRE.
READY

@XQT GOMRAM.RAMQGO
        CRITICAL DAY RAM ANALYSIS. TOLEDO REG. 1. (20 JULY 76): TS1
```

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD	SO2(G/SEC) EMISSIONS.	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CO. M)	EFF HT(M)
1	297.30	4618.10	454.10	.00	76.2	403.0	3.7	17.6	.3375-03	348.57
2	297.30	4618.10	462.40	.00	76.2	403.0	3.7	17.6	.3437-03	348.57
	297.30	4618.10	463.30	.00	76.2	403.0	3.7	17.6	.3443-03	348.57
	297.30	4618.10	708.40	.00	76.2	409.0	4.3	19.4	.3682-03	430.07
5	297.30	4618.10	12.30	.00	7.9	549.0	3.4	22.8	.7100-05	404.37
6	295.70	4616.80	5.33	.00	30.5	1011.0	2.0	2.3	.4725-04	87.68
7	295.70	4616.80	63.30	.00	30.6	772.0	3.6	2.9	.1459-03	182.82
8	295.70	4616.80	130.50	.00	30.6	772.0	3.6	3.3	.2685-03	194.60
9	295.70	4616.80	26.70	.00	41.2	1069.0	1.2	3.9	.2725-03	81.34
10	295.70	4616.80	19.60	.00	36.6	905.0	1.9	1.3	.2657-03	69.87
11	295.70	4616.80	32.00	.00	35.1	897.0	1.9	1.4	.4310-03	70.16
12	295.70	4616.80	69.30	.00	35.1	836.0	2.6	2.5	.3469-03	119.48
13	295.70	4616.80	103.50	.00	30.9	700.0	2.1	2.9	.7182-03	99.90
14	295.70	4616.80	2.50	.00	11.9	844.0	.8	.6	.5259-03	16.98
15	295.70	4616.80	21.30	.00	30.6	997.0	1.3	3.4	.2407-03	77.04
16	295.70	4616.80	.37	.00	30.5	973.0	1.5	1.5	.7363-05	57.11
17	295.70	4616.80	115.40	.00	61.2	422.0	.2	8.0	.9813-03	89.65
18	295.70	4616.80	121.10	.00	76.2	477.0	3.4	8.0	.1446-03	264.90
19	295.70	4616.80	6.30	.00	45.7	977.0	.9	12.0	.4015-04	104.65
20	296.00	4617.80	.87	.00	6.5	922.0	.4	9.8	.9879-04	23.22
21	296.00	4617.80	.49	.00	6.7	922.0	.4	6.5	.9695-04	17.52
22	296.00	4617.80	23.50	.00	22.9	355.0	1.3	7.2	.6658-03	47.55
23	296.00	4617.80	14.70	.00	12.2	322.0	.8	11.5	.1774-02	22.51

AREA SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2 EMISSIONS (GRAMS/SQ. M/SEC)	PART EMISSIONS	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	295.0	4615.0	4.8000-09	0.0000	2.5	20.0	1.2000-05
2	295.0	4617.5	1.2000-07	0.0000	2.5	20.0	3.0000-04
3	297.5	4615.0	4.8000-08	0.0000	2.5	20.0	1.2000-04
4	297.5	4617.5	5.4400-08	0.0000	2.5	20.0	1.3600-04
5	300.0	4617.5	5.4200-08	0.0000	2.5	20.0	1.4800-04
6	302.5	4615.0	4.8000-09	0.0000	2.5	20.0	1.2000-05
7	295.0	4620.0	4.2400-08	0.0000	5.0	20.0	2.1200-04
8	295.0	4625.0	5.3600-08	0.0000	5.0	20.0	2.6800-04
9	300.0	4615.0	4.8000-08	0.0000	2.5	20.0	1.2000-04
10	302.5	4617.5	0.0000	0.0000	2.5	20.0	0.0000
11	300.0	4620.0	0.0000	0.0000	5.0	20.0	0.0000
12	300.0	4625.0	0.0000	0.0000	5.0	20.0	0.0000

THE ORIGIN IN INTERNAL UNITS IS(118, 1846)
THE SIZE OF THE AREA SOURCE ARRAY IS (4, 6)
RMIN= 118.00 RMAX= 122.00 SMIN= 1846.00 SMAX= 1852.00

8 8 12 12
8 8 12 12
7 7 11 11
7 7 11 11
2 4 5 10
1 3 9 6

TOTAL EMISSION AND CUMULATIVE FRACTION ACCORDING TO HEIGHT

HEIGHT(M)	TOTAL POINT EMISSIONS(G/S)	CUMULATIVE FRACTION	TOTAL AREA EMISSIONS(G/S)	CUMULATIVE FRACTION
0 - 5	.00	.000	.00	.000
6 - 10	13.66	.005	.00	.000
11 - 15	17.20	.011	.00	.000
16 - 20	.00	.011	4.52	1.000
21 - 25	23.50	.019	.00	1.000
26 - 30	.00	.019	.00	1.000
31 - 35	5.70	.021	.00	1.000
36 - 40	439.50	.175	.00	1.000
41 - 45	26.70	.185	.00	1.000
46 - 50	6.30	.186	.00	1.000
51 - 55	.00	.186	.00	1.000
56 - 60	.00	.186	.00	1.000
61 - 65	.00	.186	.00	1.000
66 - 70	.00	.186	.00	1.000
71 - 75	.00	.186	.00	1.000
76 - 80	2209.30	.960	.00	1.000
81 - 85	.00	.960	.00	1.000
86 - 90	115.40	1.000	.00	1.000
91 - 95	.00	1.000	.00	1.000
96 -100	.00	1.000	.00	1.000
TOTAL	2857.26		4.52	

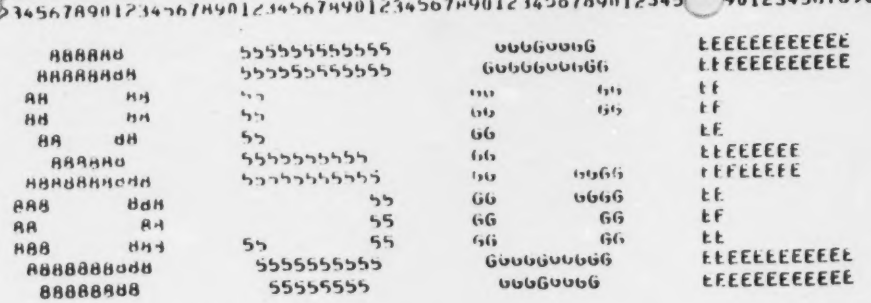
SIGNIFICANT SO2 POINT SOURCES

RANK	CHI-MAX (G/CU. M)	SOURCE NO.
1	1.7740-03	23
2	9.8128-04	17
3	7.1823-04	13
4	6.6576-04	22
5	5.2542-04	14
6	4.3098-04	11
7	3.6822-04	4
8	3.4691-04	12
9	3.4414-04	3
10	3.4367-04	2
11	3.3750-04	1
12	2.7246-04	9
13	2.6846-04	8
14	2.6565-04	10
15	2.4064-04	15
16	1.4593-04	7
17	1.4463-04	18
18	9.8794-05	20
19	9.6953-05	21
20	4.7249-05	6
21	4.0154-05	19
22	7.3635-06	16
23	7.1003-06	5

SIGNIFICANT SO2 AREA SOURCES

RANK	Q*LENGTH (G-KM/SEC)	SOURCE NO.
1	3.0000-04	2
2	2.6800-04	8
3	2.1200-04	7
4	1.4800-04	5
5	1.3600-04	4
6	1.2000-04	3
7	1.2000-04	9
8	1.2000-05	1
9	1.2000-05	6
10	0.0000	10

#BRKPT PRINTS



Toledo Region I
STRATEGY

• • • • • • UNIVAC 1110 TIME/SHARING EXEC --- MULTI-PROCESSOR SYSTEM --- VER. 32R002R-405C SITE • E.P.A. • • • • • • •

RUNID • R5GE0A

FILE NAME • R11

PART NUMBER • 00

NON-STANDARD PRINT FILE

OUTPUT DEVICE • DATA0D

PRINTED AT: 17:59:41 AUG 27,1976

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@DELETE.C TO-RICD-PRE.
FURPUR 0026-08/27-15:56
@CAT.P TO-RICD-PRE.
READY
@ASG.A TO-RICD-PRE.
READY
@USE 9.,TO-RICD-PRE.
READY
@XQT GOMRAM,RAMOGO
          CRITICAL DAY RAM ANALYSIS. TOLEDO REG. 1. (20 JULY 76): TS1
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POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	297.30	4618.10	225.47	.00	76.2	403.0	3.7	17.5	.1676-03	348.57
2	297.30	4618.10	229.63	.00	76.2	403.0	3.7	17.6	.1707-03	348.57
3	297.30	4618.10	230.20	.00	76.2	403.0	3.7	17.6	.1711-03	348.57
4	297.30	4618.10	351.82	.00	76.2	409.0	4.3	19.4	.1829-03	430.07
5	297.30	4618.10	12.30	.00	7.9	549.0	3.4	22.8	.7100-05	404.37
6	295.70	4616.80	.95	.00	30.5	1011.0	2.0	2.3	.8421-05	87.68
7	295.70	4616.80	11.22	.00	36.6	772.0	3.6	2.9	.2587-04	182.82
8	295.70	4616.80	23.12	.00	36.6	772.0	3.6	3.3	.4756-04	194.60
9	295.70	4616.80	4.73	.00	41.2	1069.0	1.2	3.9	.4827-04	81.34
10	295.70	4616.80	3.47	.00	36.6	905.0	1.9	1.3	.4703-04	69.87
11	295.70	4616.80	5.67	.00	35.1	897.0	1.9	1.4	.7636-04	70.16
12	295.70	4616.80	12.28	.00	35.1	836.0	2.6	2.5	.6147-04	119.48
13	295.70	4616.80	18.33	.00	36.9	700.0	2.1	2.9	.1272-03	99.90.
14	295.70	4616.80	.44	.00	11.9	844.0	.8	.6	.9256-04	16.98
15	295.70	4616.80	3.78	.00	36.6	997.0	1.3	3.4	.4271-04	77.04
16	295.70	4616.80	.23	.00	30.5	973.0	1.5	1.5	.4577-05	57.11
17	295.70	4616.80	20.77	.00	87.2	422.0	.2	8.0	.1766-03	89.65
18	295.70	4616.80	21.80	.00	76.2	477.0	3.4	8.0	.2604-04	264.90
19	295.70	4616.80	1.13	.00	45.7	977.0	.9	12.0	.7202-05	104.65
20	296.00	4617.80	.87	.00	8.5	922.0	.4	9.8	.9879-04	23.22
21	296.00	4617.80	.49	.00	6.7	922.0	.4	6.5	.9695-04	17.52
22	296.00	4617.80	4.05	.00	22.9	355.0	1.3	7.2	.1147-03	47.55
23	296.00	4617.80	2.65	.00	12.2	322.0	.8	11.5	.3198-03	22.51

AREA SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD	SO2 EMISSIONS (GRAMS/SQ. M/SEC)	PART EMISSIONS	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	295.0	4615.0	4.8000-09	0.0000	2.5	20.0	1.2000-05
2	295.0	4617.5	1.2000-07	0.0000	2.5	20.0	3.0000-04
3	297.5	4615.0	4.8000-08	0.0000	2.5	20.0	1.2000-04
4	297.5	4617.5	5.4400-08	0.0000	2.5	20.0	1.3600-04
5	300.0	4617.5	5.9200-08	0.0000	2.5	20.0	1.4800-04
6	302.5	4615.0	4.8000-09	0.0000	2.5	20.0	1.2000-05
7	[illegible].0	4620.0	4.2400-08	0.0000	5.0	20.0	2.1200-04
8	[illegible].0	4625.0	5.3600-08	0.0000	5.0	20.0	2.6800-04

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9	300.0	4615.0	4.8000-08	0.0000	2.5	20.0	1.2000-04
10	302.5	4617.5	0.0000	0.0000	2.5	20.0	0.0000
11	300.0	4620.0	0.0000	0.0000	5.0	20.0	0.0000
12	300.0	4625.0	0.0000	0.0000	5.0	20.0	0.0000

THE ORIGIN IN INTERNAL UNITS IS(114, 1846)
THE SIZE OF THE AREA SOURCE ARRAY IS (4, 6)
RMIN= 118.00 RMAX= 122.00 SMIN= 1846.00 SMAX= 1892.00

8 8 12 12
8 8 12 12
7 7 11 11
7 7 11 11
2 4 5 10
1 3 9 6

TOTAL EMISSION AND CUMULATIVE FRACTION ACCORDING TO HEIGHT

HEIGHT(M)	TOTAL POINT EMISSIONS(G/S)	CUMULATIVE FRACTION	TOTAL AREA EMISSIONS(G/S)	CUMULATIVE FRACTION
0 - 5	.00	.000	.00	.000
6 - 10	13.66	.012	.00	.000
11 - 15	3.09	.014	.00	.000
16 - 20	.00	.014	4.52	1.000
21 - 25	4.05	.018	.00	1.000
26 - 30	.00	.018	.00	1.000
31 - 35	1.18	.019	.00	1.000
36 - 40	77.87	.084	.00	1.000
41 - 45	4.73	.088	.00	1.000
46 - 50	1.13	.089	.00	1.000
51 - 55	.00	.089	.00	1.000
56 - 60	.00	.089	.00	1.000
61 - 65	.00	.089	.00	1.000
66 - 70	.00	.089	.00	1.000
71 - 75	.00	.089	.00	1.000
76 - 80	1058.92	.982	.00	1.000
81 - 85	.00	.982	.00	1.000
86 - 90	20.77	1.000	.00	1.000
91 - 95	.00	1.000	.00	1.000
96 -100	.00	1.000	.00	1.000
TOTAL	1185.40		4.52	

SIGNIFICANT SO2 POINT SOURCES

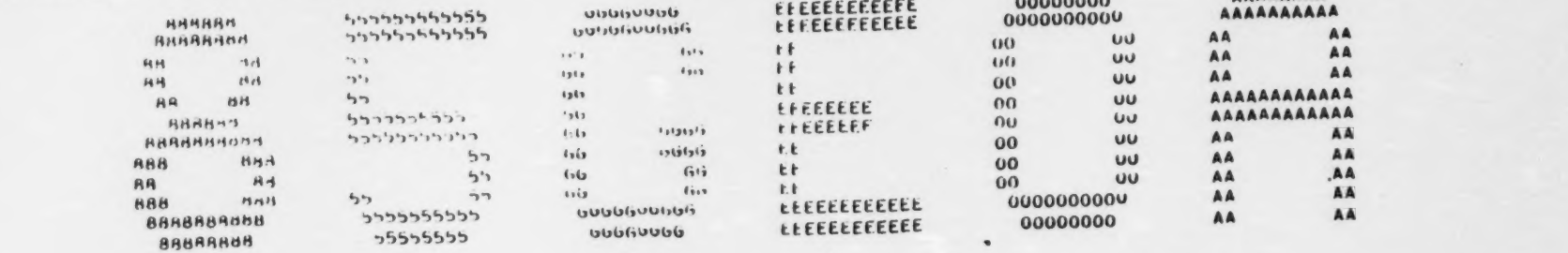
RANK	CHI-MAX (G/CU. M)	SOURCE NO.
1	3.1981-04	23
2	1.8287-04	4
3	1.7661-04	17
4	1.7109-04	3
5	1.7067-04	2
6	1.6758-04	1
7	1.2720-04	13
8	1.1474-04	22
9	9.8794-05	20
10	9.6953-05	21

11	9.2562-05	14
12	7.6364-05	11
13	6.1472-05	12
14	4.8267-05	9
15	4.7562-05	8
16	4.7032-05	10
17	4.2713-05	15
18	2.6036-05	18
19	2.5866-05	7
20	8.4215-06	6
21	7.2022-06	19
22	7.1003-06	5
23	4.5773-06	16

SIGNIFICANT SO2 AREA SOURCES

RANK	Q*LENGTH (G-KM/SEC)	SOURCE NO.
1	3.0000-04	2
2	2.6800-04	8
3	2.1200-04	7
4	1.4800-04	5
5	1.3600-04	4
6	1.2000-04	3
7	1.2000-04	9
8	1.2000-05	1
9	1.2000-05	6
10	0.0000	10

@BRKPT PRINTS



Toledo Region 2
STATUS Quo

445<

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@DELETE,C TO-R2CD-PRE.
FURPUR 0026-08/27-16:26

@CAT,P TO-R2CD-PRE.
READY

@ASG,A TO-R2CD-PRE.
READY

@USE 9,,TO-R2CD-PRE.
READY.

@XQT GOMRAM,RAMQGO
        CRITICAL DAY RAM ANALYSIS, TOLEDO REG. 2, (26 JULY 76)  TS2
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POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	290.50	4614.30	59.87	.00	83.8	666.0	4.9	5.6	.3877-04	377.96
2	290.50	4616.40	59.87	.00	83.8	666.0	4.9	5.6	.3877-04	377.96
3	290.50	4614.30	419.20	.00	75.0	437.0	3.3	14.6	.3751-03	312.54
4	290.50	4614.30	1286.00	.00	90.9	480.0	6.7	12.7	.3329-03	656.75
5	293.10	4616.40	11.56	.00	61.0	561.0	3.4	2.3	.3582-04	155.45
6	293.10	4616.40	11.56	.00	61.0	561.0	3.4	2.3	.3582-04	155.45
7	293.10	4616.40	11.56	.00	61.0	561.0	3.4	2.3	.3582-04	155.45
8	293.10	4616.40	11.56	.00	61.0	561.0	3.4	2.3	.3582-04	155.45
9	293.10	4616.40	11.00	.00	18.3	511.0	1.4	9.1	.1093-03	82.51
10	293.10	4616.40	11.00	.00	18.3	511.0	1.4	9.1	.1093-03	82.51
11	293.10	4616.40	24.00	.00	45.7	733.0	2.4	14.1	.2710-04	273.48
12	293.10	4616.40	3.40	.00	45.7	733.0	2.4	14.1	.3839-05	273.48
13	293.10	4616.40	11.30	.00	43.6	822.0	1.9	9.5	.2511-04	180.52
14	293.10	4616.40	3.07	.00	27.2	644.0	1.0	6.5	.5005-04	63.41
15	293.10	4616.40	.70	.00	25.3	655.0	.6	14.4	.1444-04	56.05
16	293.10	4616.40	.65	.00	21.3	700.0	.8	6.3	.1816-04	47.90
17	293.10	4616.40	9.10	.00	20.0	700.0	2.4	3.3	.5843-04	104.23
18	293.10	4616.40	12.30	.00	20.0	839.0	2.4	8.5	.2504-04	195.71
19	293.10	4616.10	.56	.00	20.0	672.0	1.1	2.5	.2124-04	40.89
20	293.10	4616.40	25.70	.00	49.4	522.0	2.4	3.1	.1381-03	114.91
21	293.10	4616.40	4.92	.00	25.6	750.0	1.6	7.2	.2780-04	111.80
22	293.10	4616.40	2.97	.00	25.6	750.0	1.6	4.3	.2878-04	83.61
23	293.10	4616.40	2.51	.00	25.3	727.0	1.4	4.7	.2919-04	75.87
24	293.10	4616.40	14.60	.00	22.3	755.0	1.4	2.6	.3159-03	54.66
25	293.10	4616.40	45.07	.00	49.4	522.0	2.4	9.9	.8658-04	202.19
26	293.10	4616.40	8.50	.00	30.5	811.0	.8	2.8	.2574-03	45.94
27	289.10	4613.90	8.64	.00	62.2	561.0	4.8	4.0	.9583-05	276.29
28	289.10	4613.90	8.64	.00	62.2	561.0	4.8	4.0	.9583-05	276.29
29	289.10	4613.90	13.90	.00	62.2	561.0	4.8	4.0	.1542-04	276.29
30	289.10	4613.90	13.90	.00	62.2	561.0	4.8	4.0	.1542-04	276.29

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31	289.10	4613.90	8.64	.00	42.2	561.0	4.8	4.0	.9583-05	276.29
32	289.10	4613.90	49.93	.00	65.2	474.0	4.1	3.6	.8836-04	210.62
33	289.10	4613.90	49.43	.00	65.2	474.0	4.1	3.6	.8836-04	210.62
34	289.10	4613.90	30.10	.00	60.4	447.0	4.1	1.7	.1156-03	138.17
35	293.90	4616.70	38.20	.00	41.2	690.0	2.3	17.9	.4026-04	284.40
36	293.90	4616.70	38.20	.00	41.2	690.0	2.3	17.9	.4026-04	284.40
37	293.90	4616.70	19.20	.00	41.2	644.0	.9	31.0	.7118-04	140.88
38	293.90	4616.70	19.20	.00	41.2	644.0	.9	31.0	.7118-04	140.88
39	293.90	4616.70	12.30	.00	41.2	690.0	2.3	17.9	.1296-04	284.40
40	292.80	4616.10	24.10	.00	36.6	477.0	3.1	9.8	.3759-04	227.60
41	292.80	4616.10	24.10	.00	36.6	477.0	3.1	9.8	.3759-04	227.60
42	292.80	4616.10	24.10	.00	36.6	477.0	3.1	9.8	.3759-04	227.60
43	292.80	4616.10	24.44	.00	61.0	477.0	2.3	10.0	.4993-04	195.34
44	292.20	4615.60	.37	.00	41.2	464.0	2.1	4.0	.2654-05	98.16
45	292.20	4615.60	.37	.00	41.2	464.0	2.1	4.0	.2654-05	98.16
46	292.20	4615.60	.37	.00	41.2	464.0	2.1	4.0	.2654-05	98.16
47	292.20	4615.60	.37	.00	41.2	464.0	2.1	4.0	.2654-05	98.16

AREA SOURCE INFORMATION

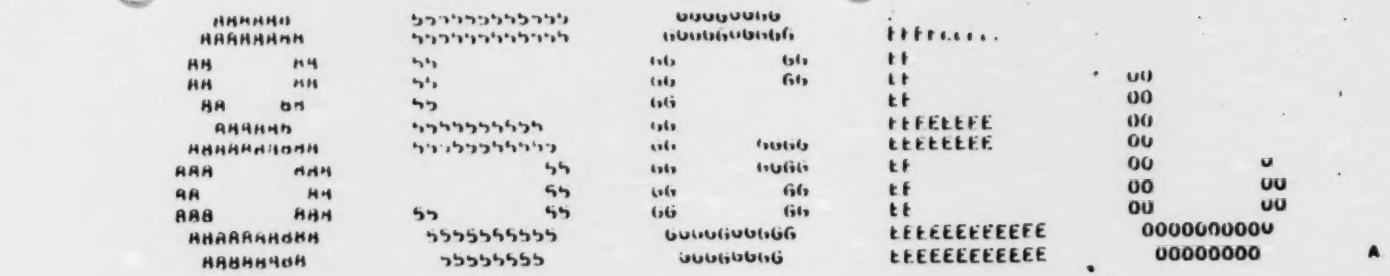
SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2 EMISSIONS (GRAMS/SQ. M/SEC)	PART EMISSIONS (GRAMS/SQ. M/SEC)	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	289.0	4614.0	1.9800-06	0.0000	1.0	20.0	1.9800-03
2	290.0	4614.0	8.9000-07	0.0000	1.0	20.0	8.9000-04
3	290.0	4615.0	2.7300-06	0.0000	1.0	20.0	2.7300-03
4	291.0	4614.0	1.0100-06	0.0000	1.0	20.0	1.0100-03
5	291.0	4615.0	2.9000-07	0.0000	1.0	20.0	2.9000-04
6	291.0	4616.0	1.0800-06	0.0000	1.0	20.0	1.0800-03
7	291.0	4617.0	3.7000-07	0.0000	1.0	20.0	3.7000-04
8	291.0	4618.0	1.7000-07	0.0000	1.0	20.0	1.7000-04
9	292.0	4614.0	3.6000-07	0.0000	1.0	20.0	3.6000-04
10	292.0	4615.0	1.9800-06	0.0000	1.0	20.0	1.9800-03
11	292.0	4616.0	7.2000-07	0.0000	1.0	20.0	7.2000-04
12	292.0	4617.0	1.0900-06	0.0000	1.0	20.0	1.0900-03
13	292.0	4618.0	1.1500-06	0.0000	1.0	20.0	1.1500-03
14	292.0	4619.0	1.2800-06	0.0000	1.0	20.0	1.2800-03
15	289.0	4616.0	0.0000	0.0000	2.0	20.0	0.0000
16	293.0	4614.0	2.5000-07	0.0000	1.0	20.0	2.5000-04
17	293.0	4615.0	8.9000-07	0.0000	1.0	20.0	8.9000-04
18	293.0	4616.0	3.4000-07	0.0000	2.0	20.0	6.8000-04
19	293.0	4618.0	2.7250-07	0.0000	2.0	20.0	5.4500-04
20	294.0	4614.0	2.7000-07	0.0000	1.0	20.0	2.7000-04
21	294.0	4615.0	1.0000-06	0.0000	1.0	20.0	1.0000-05

THE ORIGIN IN INTERNAL UNITS IS(289, 4614)
THE SIZE OF THE AREA SOURCE ARRAY IS (6, 6)
RMIN= 289.00 RMAX= 295.00 SMIN= 4614.00 SMAX= 4620.00

0	0	0	14	19	19
0	0	8	13	19	19
15	15	7	12	18	18
15	15	6	11	18	18
0	3	5	10	17	21
1	2	4	9	16	20

TOTAL EMISSION AND CUMULATIVE FRACTION ACCORDING TO HEIGHT

HEIGHT(M)	TOTAL POINT EMISSIONS(G/S)	CUMULATIVE FRACTION	TOTAL AREA EMISSIONS(G/S)	CUMULATIVE FRACTION
0 - 5	.00	.000	.00	.000
6 - 10	.00	.000	.00	.000
11 - 15	.00	.000	.00	.000
16 - 20	43.96	.018	18.97	1.000
21 - 25	15.25	.024	.00	1.000
26 - 30	14.17	.030	.00	1.000
31 - 35	8.50	.033	.00	1.000
36 - 40	72.30	.062	.00	1.000
41 - 45	139.88	.119	.00	1.000
46 - 50	98.17	.159	.00	1.000
51 - 55	.00	.159	.00	1.000
56 - 60	.00	.159	.00	1.000
61 - 65	154.50	.221	.00	1.000
66 - 70	98.86	.261	.00	1.000
71 - 75	419.20	.431	.00	1.000
76 - 80	.00	.431	.00	1.000
81 - 85	119.74	.479	.00	1.000
86 - 90	.00	.479	.00	1.000
91 - 95	1286.00	1.000	.00	1.000
96 -100	.00	1.000	.00	1.000
TOTAL	2470.53		18.97	



Toledo Region 2
STRATEGY

• • • • • • UNIVAC 1110 TIME/SHARING EXEC --- MULTI-PROCESSOR SYSTEM --- VER. 32R002B-405C SITE • E.P.A. • • • • • •

RUNID • 85GE0A PART NUMBER • 00 OUTPUT DEVICE • DATA0D

FILE NAME • 212 NON-STANDARD PRINT FILE PRINTED AT: 18:01:15 AUG 27,1976 •

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*DELETE.C TO-R2CD-PRF.
FILE NOT FOUND
*CAT.P TO-R2CD-PRF.
READY
*ASG.A TO-R2CD-PRF.
READY
*USE 9..TO-R2CD-PRF.
READY
*RUN GOMRAM.HAMOGO
          CRITICAL DAY HAM ANALYSIS. TOLEDO REG. 2. (20 JULY 76)  TS2
```

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	290.50	4614.30	47.92	.00	83.8	666.0	4.9	5.6	.3103-04	377.96
2	290.50	4616.40	47.92	.00	83.8	666.0	4.9	5.6	.3103-04	377.96
3	290.50	4614.30	186.38	.00	75.0	437.0	3.3	14.6	.1668-03	312.54
4	290.50	4614.30	571.23	.00	90.9	480.0	6.7	12.7	.1479-03	656.75
5	293.10	4616.40	3.67	.00	61.0	561.0	3.4	2.3	.1137-04	155.45
6	293.10	4616.40	3.67	.00	61.0	561.0	3.4	2.3	.1137-04	155.45
7	293.10	4616.40	3.67	.00	61.0	561.0	3.4	2.3	.1137-04	155.45
8	293.10	4616.40	3.67	.00	61.0	561.0	3.4	2.3	.1137-04	155.45
9	293.10	4616.40	3.20	.00	18.3	511.0	1.4	9.1	.3179-04	82.51
10	293.10	4616.40	3.20	.00	18.3	511.0	1.4	9.1	.3179-04	82.51
11	293.10	4616.40	7.00	.00	45.7	733.0	2.4	14.1	.7904-05	273.48
12	293.10	4616.40	.98	.00	45.7	733.0	2.4	14.1	.1107-05	273.48
13	293.10	4616.40	3.28	.00	43.6	822.0	1.9	9.5	.7290-05	186.52
14	293.10	4616.40	.89	.00	27.2	644.0	1.0	6.5	.1451-04	63.41
15	293.10	4616.40	.46	.00	25.3	655.0	.6	14.4	.9488-05	56.05
16	293.10	4616.40	.43	.00	21.3	700.0	.8	6.3	.1201-04	47.90
17	293.10	4616.40	2.65	.00	20.0	700.0	2.4	3.3	.1701-04	104.23
18	293.10	4616.40	3.78	.00	20.0	839.0	2.4	8.5	.7696-05	195.71
19	293.10	4616.10	.45	.00	20.0	672.0	1.1	2.5	.1707-04	40.89
20	293.10	4616.40	7.48	.00	49.4	522.0	2.4	3.1	.4020-04	114.91
21	293.10	4616.40	3.26	.00	25.6	750.0	1.6	7.2	.1842-04	111.80
22	293.10	4616.40	1.97	.00	25.6	750.0	1.6	4.3	.1909-04	83.61
23	293.10	4616.40	1.66	.00	25.3	727.0	1.4	4.7	.1931-04	75.87
24	293.10	4616.40	.67	.00	22.3	755.0	1.4	2.6	.1450-04	54.66
25	293.10	4616.40	10.37	.00	49.4	522.0	2.4	9.9	.1992-04	202.19
26	293.10	4616.40	1.96	.00	30.5	811.0	.8	2.8	.5935-04	45.94
27	289.10	4613.90	4.60	.00	62.2	561.0	4.8	4.0	.5102-05	276.29
28	289.10	4613.90	4.60	.00	62.2	561.0	4.8	4.0	.5102-05	276.29
29	289.10	4613.90	4.60	.00	62.2	561.0	4.8	4.0	.5102-05	276.29
30	289.10	4613.90	4.60	.00	62.2	561.0	4.8	4.0	.5102-05	276.29
31	289.10	4613.90	4.60	.00	62.2	561.0	4.8	4.0	.5102-05	276.29
32	289.10	4613.90	16.40	.00	65.2	474.0	4.1	3.6	.2932-04	210.62
33	289.10	4613.90	16.40	.00	65.2	474.0	4.1	3.6	.2932-04	210.62
34	289.10	4613.90	10.00	.00	60.4	447.0	4.1	1.7	.3841-04	138.17
35	293.90	4616.70	7.00	.00	41.2	640.0	2.3	17.9	.7378-05	284.40
36	293.90	4616.70	7.00	.00	41.2	640.0	2.3	17.9	.7378-05	284.40
37	293.90	4616.70	1.95	.00	41.2	644.0	.9	31.0	.7229-05	140.88
38	293.90	4616.70	1.95	.00	41.2	644.0	.9	31.0	.7229-05	140.88
39	293.90	4616.70	12.30	.00	41.2	640.0	2.3	17.9	.1296-04	284.40

451<

40	292.80	4610.10	22.80	.00	30.6	477.0	3.1	9.8	.3556-04	227.60
41	292.80	4610.10	22.80	.00	30.6	477.0	3.1	9.8	.3556-04	227.60
42	292.80	4610.10	22.80	.00	30.6	477.0	3.1	9.8	.3556-04	227.60
43	292.80	4610.10	24.44	.00	61.0	477.0	2.1	10.0	.4993-04	195.34
44	292.20	4615.60	.37	.00	41.2	464.0	2.1	4.0	.2654-05	98.16
45	292.20	4615.60	.37	.00	41.2	464.0	2.1	4.0	.2654-05	98.16
46	292.20	4615.60	.37	.00	41.2	464.0	2.1	4.0	.2654-05	98.16
47	292.20	4615.60	.37	.00	41.2	464.0	2.1	4.0	.2654-05	98.16

AREA SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD	SO2 EMISSIONS (GRAMS/SQ. M/SEC)	PART EMISSIONS	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	289.0	4614.0	1.9800-06	0.0000	1.0	20.0	1.9800-03
2	290.0	4614.0	8.9000-07	0.0000	1.0	20.0	8.9000-04
3	290.0	4615.0	2.7300-06	0.0000	1.0	20.0	2.7300-03
4	291.0	4614.0	1.0100-06	0.0000	1.0	20.0	1.0100-03
5	291.0	4615.0	2.9000-07	0.0000	1.0	20.0	2.9000-04
6	291.0	4616.0	1.0800-06	0.0000	1.0	20.0	1.0800-03
7	291.0	4617.0	3.7000-07	0.0000	1.0	20.0	3.7000-04
8	291.0	4618.0	1.7000-07	0.0000	1.0	20.0	1.7000-04
9	292.0	4614.0	3.6000-07	0.0000	1.0	20.0	3.6000-04
10	292.0	4615.0	1.9800-06	0.0000	1.0	20.0	1.9800-03
11	292.0	4616.0	7.2000-07	0.0000	1.0	20.0	7.2000-04
12	292.0	4617.0	1.0900-06	0.0000	1.0	20.0	1.0900-03
13	292.0	4618.0	1.1500-06	0.0000	1.0	20.0	1.1500-03
14	292.0	4619.0	1.2800-06	0.0000	1.0	20.0	1.2800-03
15	289.0	4616.0	0.0000	0.0000	2.0	20.0	0.0000
16	293.0	4614.0	2.5000-07	0.0000	1.0	20.0	2.5000-04
17	293.0	4615.0	8.9000-07	0.0000	1.0	20.0	8.9000-04
18	293.0	4616.0	3.4000-07	0.0000	2.0	20.0	6.8000-04
19	293.0	4618.0	2.7250-07	0.0000	2.0	20.0	5.4500-04
20	294.0	4614.0	2.7000-07	0.0000	1.0	20.0	2.7000-04
21	294.0	4615.0	1.0000-08	0.0000	1.0	20.0	1.0000-05

THE ORIGIN IN INTERNAL UNITS IS(289. 4614)
THE SIZE OF THE AREA SOURCE ARRAY IS (6. 6)
RMIN= 289.00 RMAX= 295.00 SMIN= 4614.00 SMAX= 4620.00

0 0 0 14 19 19
0 0 8 13 19 19
15 15 7 12 18 18
15 15 6 11 18 18
0 3 5 10 17 21
1 2 4 9 16 20

TOTAL EMISSION AND CUMULATIVE FRACTION ACCORDING TO HEIGHT

452<

HEIGHT(M)	TOTAL POINT EMISSIONS(G/S)	CUMULATIVE FRACTION	TOTAL AREA EMISSIONS(G/S)	CUMULATIVE FRACTION
0 - 5	.00	.000	.00	.000
6 - 10	.00	.000	.00	.000
11 - 15	.00	.000	.00	.000
16 - 20	13.28	.012	18.97	1.000

21 - 25	1.10	.013	.00	1.000
26 - 30	8.24	.020	.00	1.000
31 - 35	1.96	.022	.00	1.000
36 - 40	68.40	.084	.00	1.000
41 - 45	34.96	.115	.00	1.000
46 - 50	25.82	.138	.00	1.000
51 - 55	.00	.138	.00	1.000
56 - 60	.00	.138	.00	1.000
61 - 65	72.12	.203	.00	1.000
66 - 70	32.80	.233	.00	1.000
71 - 75	186.38	.400	.00	1.000
76 - 80	.00	.400	.00	1.000
81 - 85	95.84	.486	.00	1.000
86 - 90	.00	.486	.00	1.000
91 - 95	571.23	1.000	.00	1.000
96 -100	.00	1.000	.00	1.000
TOTAL	1112.14		18.97	

SIGNIFICANT SO2 POINT SOURCES

RANK	CHI-MAA (G/CU. M)	SOURCE NO.
1	1.6679-04	3
2	1.4789-04	4
3	5.9351-05	26
4	4.9933-05	43
5	4.0200-05	20
6	3.8408-05	34
7	3.5561-05	40
8	3.5561-05	41
9	3.5561-05	42
10	3.1794-05	9
11	3.1794-05	10
12	3.1032-05	1
13	3.1032-05	2
14	2.9318-05	32
15	2.9318-05	33
16	1.9920-05	25
17	1.9305-05	23
18	1.9091-05	22
19	1.8421-05	21
20	1.7068-05	19
21	1.7014-05	17
22	1.4509-05	14
23	1.4496-05	24
24	1.2955-05	39
25	1.2010-05	16

SIGNIFICANT SO2 AREA SOURCES

RANK	Q*LENGTH (G-KM/SEC)	SOURCE NO.
1	2.7300-03	3

```
        2        1.9800-03      1
        3        1.9800-03     10
        4        1.2800-03     14
        5        1.1500-03     13
        6        1.0900-03     12
        7        1.0800-03      6
        8        1.0100-03      4
        9        8.9000-04      2
       10        8.9000-04     17
#FREE 9.
READY
#BRKPT PRINTS
```

1234567890 4567890123456789012345678901234567890123456 01234567890123456789012345678901234567890**S NO. 04
1234567890 34567890123456789012345678901234567890123456 01234567890123456789012345678901234567890**S NO. 05

```
 888888        55555555555        GGGGGGGG        EEEEEEEEEEEE        00000000
 888888888     55555555555        GGGGGGGGGG      EEEEEEEEEEEE        0000000000
 88    88      55                 GG      GG      EE                  00      00
 88    88      55                 GG      GG      EE                  00      00
 88    88      55                 GG              EE                  00      00
 888888        55555555555        GG              EEEEEEEE            00      00
 888888888     55555555555        GG      GGGG    EEEEEEEE            00      00
 888    888              55       GG      GGGG    EE                  00      00
 88     88               55       GG      GG      EE                  00      00
 888    888     55       55       GG      GG      EE                  00      00
 888888888     55555555555        GGGGGGGGGG      EEEEEEEEEEEE        0000000000
 888888888       55555555         GGGGGGGG        EEEEEEEEEEEE        00000000
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Toledo Region 3
Status Quo
[NO STRATEGY RUN]

* * * * * * UNIVAC 1110 TIME/SHARING EXEC --- MULTI-PROCESSOR SYSTEM --- VER. 32R002R-405C SITE * E.P.A. * * * * * *

RUNID * 85GEO PART NUMBER * 00 OUTPUT DEVICE * DATA0D

FILE NAME * R3 NON-STANDARD PRINT FILE PRINTED AT: 18:03:42 AUG 27,1976

```
@DELETE,C TO-R3CD-PRE.
FURPUN 0026-08/27-17:
@CAT,P TO-R3CD-
READY
@ASG,A TO-R3CD-PRE.
READY
@USE 9.,TO-R3CD-PRE.
READY
@XQT GOMRAM,RAMOGO
```

CRITICAL DAY RAM ANALYSIS. TOLEDO REG. 3. (17 JULY 76)

POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	286.70	4617.60	17.42	.00	68.6	450.0	4.3	2.6	.4123-04	180.19
2	286.70	4617.60	17.42	.00	68.6	450.0	4.3	2.5	.4123-04	180.19
3	286.70	4617.60	5.16	.00	62.6	416.0	3.4	2.5	.2141-04	132.43
4	286.70	4617.60	5.16	.00	62.5	416.0	3.4	2.5	.2141-04	132.43
5	286.70	4617.60	5.16	.00	62.5	416.0	3.4	2.5	.2141-04	132.43
6	286.70	4617.60	5.16	.00	62.5	416.0	3.4	2.5	.2141-04	132.43
7	286.70	4617.60	5.16	.00	62.5	416.0	3.4	2.6	.2141-04	132.43
8	286.70	4617.60	5.16	.00	62.5	416.0	3.4	2.5	.2141-04	132.43
9	286.70	4617.60	6.19	.00	62.5	450.0	2.6	2.2	.3529-04	111.26
10	286.70	4617.60	6.19	.00	62.5	450.0	2.6	2.2	.3529-04	111.26
11	288.20	4615.20	.06	.00	19.8	344.0	1.5	2.3	.3785-05	31.42
12	285.80	4620.50	1.42	.00	12.2	505.0	1.0	3.0	.1065-03	28.71
13	285.80	4620.50	1.42	.00	12.2	505.0	1.0	3.0	.1065-03	28.71
14	285.80	4620.50	1.42	.00	12.2	505.0	1.0	3.0	.1065-03	28.71
15	288.80	4620.90	2.06	.00	34.7	583.0	1.8	5.0	.1385-04	101.62
16	288.80	4620.90	2.06	.00	34.7	583.0	1.8	5.0	.1385-04	101.62
17	288.80	4620.90	8.40	.00	15.2	600.0	.9	9.7	.1805-03	54.86
18	288.80	4620.90	9.57	.00	15.2	566.0	.8	12.7	.2108-03	54.15
19	290.00	4620.50	5.11	.00	65.5	450.0	2.4	2.4	.2924-04	111.04
20	290.00	4620.50	5.11	.00	65.5	460.0	2.4	2.4	.2924-04	111.04
21	283.90	4616.50	6.75	.00	63.3	450.0	1.8	3.0	.5909-04	88.27
22	283.90	4616.50	6.75	.00	53.3	450.0	1.8	3.0	.5909-04	88.27
23	283.90	4616.50	6.75	.00	53.3	460.0	1.8	3.0	.5909-04	88.27
24	288.60	4620.50	1.22	.00	41.2	450.0	1.9	3.0	.1311-04	79.12
25	288.60	4620.50	1.22	.00	41.2	450.0	1.9	3.0	.1311-04	79.12
26	288.60	4620.50	1.22	.00	41.2	450.0	1.9	3.0	.1311-04	79.12
27	287.50	4614.80	1.96	.00	30.5	450.0	2.0	4.0	.2001-04	81.31
28	287.50	4614.80	1.96	.00	30.5	450.0	2.0	4.0	.2001-04	81.31
29	287.50	4614.80	1.96	.00	30.5	450.0	2.0	4.0	.2001-04	81.31

AREA SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD	SO2 EMISSIONS (GRAMS/SQ. M/SEC)	PART EMISSIONS	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	260.0	4615.0	3.7200-06	0.0000	3.0	20.0	1.4600-04
2	260.0	4620.0	1.1600-06	0.0000	3.0	20.0	5.8000-05

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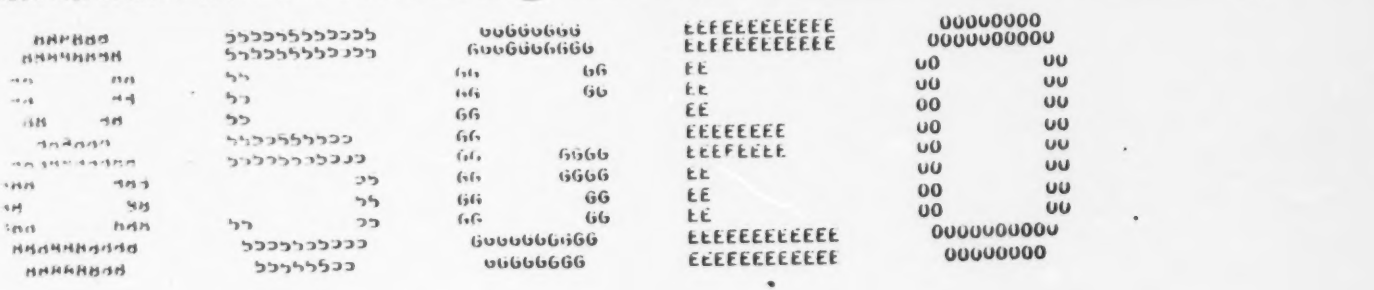
All 20.0

3	265.0	4615.0	1.4800-08	0.0000	5.0	20.0	7.4000-05
4	265.0	4620.0	2.4000-09	0.0000	5.0	20.0	1.2000-05
5	270.0	4615.0	1.5480-07	0.0000	5.0	20.0	7.7400-04
6	270.0	4620.0	2.1111-08	0.0000	3.0	20.0	9.3333-05
7	270.0	4623.0	1.5000-08	0.0000	2.0	20.0	3.0000-05
8	270.0	4625.0	6.0000-09	0.0000	5.0	20.0	3.0000-05
9	272.0	4623.0	1.5000-08	0.0000	2.0	20.0	3.0000-05
10	273.0	4620.0	5.8444-07	0.0000	3.0	20.0	1.7533-03
11	274.0	4623.0	1.5000-08	0.0000	2.0	20.0	3.0000-05
12	275.0	4614.0	7.1056-07	0.0000	6.0	20.0	4.2633-03
13	275.0	4625.0	3.7200-08	0.0000	5.0	20.0	1.8600-04
14	276.0	4620.0	1.0000-08	0.0000	1.0	20.0	1.0000-05
15	276.0	4621.0	3.0687-07	0.0000	4.0	20.0	1.2275-03
16	277.0	4620.0	1.0000-08	0.0000	1.0	20.0	1.0000-05
17	278.0	4620.0	8.7000-07	0.0000	1.0	20.0	8.7000-04
18	279.0	4620.0	1.0000-08	0.0000	1.0	20.0	1.0000-05
19	280.0	4621.0	8.0875-07	0.0000	4.0	20.0	3.2350-03
20	280.0	4625.0	1.0680-07	0.0000	5.0	20.0	5.3400-04
21	281.0	4614.0	2.0969-06	0.0000	7.0	20.0	1.4671-02
22	284.0	4621.0	3.4500-07	0.0000	4.0	20.0	1.3800-03
23	285.0	4625.0	9.1600-08	0.0000	5.0	20.0	4.5800-04
24	288.0	4614.0	1.7200-06	0.0000	1.0	20.0	1.7200-03
25	288.0	4615.0	4.1800-06	0.0000	1.0	20.0	4.1800-03
26	288.0	4616.0	1.7133-06	0.0000	3.0	20.0	5.1400-03
27	288.0	4619.0	1.9375-07	0.0000	4.0	20.0	7.7500-04
28	288.0	4623.0	1.9000-07	0.0000	2.0	20.0	3.8000-04
29	289.0	4615.0	2.2000-06	0.0000	1.0	20.0	2.2000-03
30	290.0	4623.0	1.0500-07	0.0000	2.0	20.0	2.1000-04
31	290.0	4625.0	5.8000-08	0.0000	5.0	20.0	2.9000-04
32	292.0	4620.0	1.0600-06	0.0000	2.0	20.0	2.1200-03
33	292.0	4622.0	1.0000-08	0.0000	1.0	20.0	1.0000-05
34	292.0	4623.0	1.5000-08	0.0000	2.0	20.0	3.0000-05
35	293.0	4622.0	1.0000-08	0.0000	1.0	20.0	1.0000-05
36	294.0	4621.0	1.4700-06	0.0000	1.0	20.0	1.4700-03
37	294.0	4622.0	6.1000-07	0.0000	1.0	20.0	6.1000-04
38	294.0	4623.0	9.7500-08	0.0000	2.0	20.0	1.9500-04
39	291.0	4615.0	0.0000	0.0000	4.0	20.0	0.0000
40	260.0	4625.0	0.0000	0.0000	5.0	20.0	0.0000
41	285.0	4625.0	0.0000	0.0000	5.0	20.0	0.0000

THE ORIGIN IN INTERNAL UNITS IS(260. 4614)
THE SIZE OF THE AREA SOURCE ARRAY IS (36. 16)
SOURCE 1 IS ALREADY LOCATED AT POSITION (26. 11 CHECK SOURCE 21
#FREE 9.
READY
#BRKPT PRINTS



Toledo Region 4

Status Quo

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@DELETE.C TO-R4CD-PRE.
FURPUR 0026-08/27-17:21

@CAT.P TO-R4CD-PRE.
READY

@ASG.A TO-R4CD-PRE.
READY

@USE 9..TO-R4CD-PRE.
READY

@XQT GOMHAM,RAMOGO
        CRITICAL DAY RAM ANALYSIS. TOLEDO REG. 4 STRATEGY TEST 1 (7/27/76) .
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POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	283.10	4610.60	40.55	.00	27.4	533.0	1.1	12.3	.3754-03	85.68
2	283.10	4610.60	68.56	.00	27.4	533.0	1.5	10.2	.4123-03	108.04
3	283.10	4610.60	68.56	.00	27.4	533.0	1.5	10.2	.4123-03	108.04
4	282.20	4609.70	3.69	.00	45.7	561.0	2.1	1.0	.4920-04	70.53
5	282.20	4609.70	3.69	.00	45.7	561.0	2.1	1.0	.4920-04	70.53
6	282.20	4609.70	8.00	.00	45.7	561.0	2.1	1.0	.1067-03	70.53
7	291.50	4611.80	24.11	.00	53.3	727.0	2.4	7.4	.4425-04	207.50
8	291.50	4611.80	18.30	.00	53.3	733.0	2.4	5.3	.4464-04	177.23
9	291.50	4611.80	9.60	.00	26.8	644.0	1.5	7.8	.6342-04	102.61
10	290.70	4611.80	1.94	.00	9.1	700.0	.6	26.7	.3519-04	59.96
11	291.50	4611.80	8.08	.00	45.7	592.0	2.1	11.1	.1590-04	199.42
12	291.50	4611.80	8.04	.00	45.7	592.0	2.1	11.1	.1582-04	199.42
13	291.50	4611.80	8.04	.00	45.7	592.0	2.1	11.1	.1582-04	199.42
14	291.50	4611.80	9.07	.00	45.7	592.0	2.1	11.1	.1784-04	199.42
15	291.50	4611.80	25.35	.00	16.0	611.0	1.2	15.1	.1618-03	104.59
16	291.50	4611.80	30.80	.00	16.1	682.0	1.2	22.2	.1154-03	140.05
17	287.00	4610.20	6.25	.00	26.2	507.0	2.0	5.7	.4204-04	101.61
18	287.00	4610.20	8.72	.00	26.2	450.0	2.0	5.7	.7126-04	91.57
19	287.00	4610.20	7.63	.00	26.2	450.0	2.0	5.7	.6235-04	91.57
20	287.00	4610.20	19.41	.00	28.2	450.0	2.4	6.4	.9087-04	123.95
21	287.00	4610.20	24.19	.00	26.2	450.0	2.6	7.9	.7918-04	160.84
22	291.50	4611.80	9.61	.00	26.4	644.0	1.5	7.8	.6305-04	103.00
23	291.50	4611.80	9.61	.00	26.4	644.0	1.5	7.8	.6305-04	103.00
24	291.50	4611.80	9.61	.00	26.4	644.0	1.5	7.8	.6305-04	103.00
25	291.50	4611.80	22.07	.00	38.1	783.0	1.9	10.9	.4781-04	189.17
26	291.50	4611.80	15.78	.00	38.1	811.0	1.8	9.0	.4457-04	163.54
27	291.50	4611.80	12.34	.00	42.7	678.0	1.6	7.5	.5555-04	126.65
28	291.50	4611.80	19.14	.00	42.7	680.0	1.8	7.8	.7592-04	135.75
29	291.50	4611.80	19.14	.00	42.7	680.0	1.8	7.8	.7592-04	135.75
								6.0	.3691-04	246.13

459<

30	291.50	4611.8	27.16	.00	53.3	533.0	3.7	6.0	.3691-04	246.13
31	291.50	4611.8	39.27	.00	53.3	533.0	3.7	6.0	.5337-04	246.13
32	291.50	4611.8	14.34	.00	42.7	558.0	2.0	7.3	.6157-04	143.25
33	291.50	4611.8	9.61	.00	42.7	558.0	2.0	7.3	.3456-04	143.25
34	291.50	4611.8	45.12	.00	39.6	472.0	2.9	7.3	.1011-03	185.68
35	291.50	4611.8	161.90	.00	75.9	505.0	3.0	28.2	.8104-04	439.72

area source information

All 20.0

SOURCE	EAST COORD (USER UNITS)	NORTH COORD (USER UNITS)	SO_2 EMISS. (GRAMS/SEC)	PART EMISSIONS (GRAMS/SEC)	SIDE LENGTH (USER UNITS)	EFFECTIVE HEIGHT (METERS)	SIGNIFICANCE (G-KM/SEC)
1	255.0	4590.0	1.5000-08	0.0000	10.0	20.0	1.5000-04
2	255.0	4600.0	2.3200-08	0.0000	10.0	20.0	2.3200-04
3	260.0	4560.0	6.7000-09	0.0000	10.0	20.0	5.7000-06
4	260.0	4570.0	7.7000-09	0.0000	10.0	20.0	7.7000-05
5	260.0	4580.0	1.5600-08	0.0000	5.0	20.0	7.8000-05
6	260.0	4585.0	1.5600-08	0.0000	5.0	20.0	7.8000-06
7	260.0	4610.0	3.6000-08	0.0000	5.0	20.0	1.8000-04
8	265.0	4580.0	3.0400-08	0.0000	5.0	20.0	1.5200-04
9	265.0	4590.0	2.8000-09	0.0000	5.0	20.0	1.4000-06
10	265.0	4595.0	8.4000-08	0.0000	5.0	20.0	4.2000-04
11	265.0	4600.0	2.8000-09	0.0000	5.0	20.0	1.4000-06
12	265.0	4605.0	7.5600-08	0.0000	5.0	20.0	3.7800-04
13	265.0	4610.0	1.0840-07	0.0000	5.0	20.0	5.4200-04
14	270.0	4560.0	2.2600-08	0.0000	10.0	20.0	2.2600-04
15	270.0	4570.0	1.5000-08	0.0000	10.0	20.0	1.5000-04
16	270.0	4580.0	1.2000-08	0.0000	5.0	20.0	6.0000-05
17	270.0	4585.0	1.0800-08	0.0000	5.0	20.0	5.4000-05
18	270.0	4590.0	3.4400-08	0.0000	5.0	20.0	1.7200-04
19	270.0	4595.0	9.4000-08	0.0000	5.0	20.0	4.7000-04
20	270.0	4600.0	2.4800-08	0.0000	5.0	20.0	1.2400-04
21	270.0	4605.0	3.4400-08	0.0000	5.0	20.0	1.7200-04
22	270.0	4610.0	1.1320-07	0.0000	5.0	20.0	5.6600-04
23	275.0	4585.0	1.6400-07	0.0000	5.0	20.0	8.2000-04
24	275.0	4590.0	2.2400-08	0.0000	5.0	20.0	1.1200-04
25	275.0	4595.0	2.4400-08	0.0000	5.0	20.0	1.2200-04
26	275.0	4600.0	1.9160-07	0.0000	5.0	20.0	9.5800-04
27	275.0	4605.0	3.0660-07	0.0000	5.0	20.0	1.5280-03
28	275.0	4610.0	3.3200-07	0.0000	5.0	20.0	1.6600-03
29	280.0	4610.0	6.7240-07	0.0000	5.0	20.0	3.3620-03
30	280.0	4560.0	1.0600-08	0.0000	10.0	20.0	1.0600-04
31	280.0	4570.0	8.9000-09	0.0000	10.0	20.0	8.9000-05
32	280.0	4580.0	4.1000-09	0.0000	10.0	20.0	4.1000-05
33	280.0	4590.0	1.7500-08	0.0000	10.0	20.0	1.7500-04
34	280.0	4600.0	2.0720-07	0.0000	5.0	20.0	1.0360-03
35	280.0	4605.0	8.3600-07	0.0000	5.0	20.0	4.1800-03
36	285.0	4610.0	1.4124-06	0.0000	5.0	20.0	7.0620-03
37	290.0	4560.0	1.3500-08	0.0000	10.0	20.0	1.3500-04
38	290.0	4570.0	2.6400-08	0.0000	10.0	20.0	2.6400-04
39	290.0	4580.0	1.4100-08	0.0000	10.0	20.0	1.4100-04
40	290.0	4590.0	2.5400-08	0.0000	10.0	20.0	2.5400-04
41	290.0	4600.0	2.4800-08	0.0000	5.0	20.0	1.2400-04
42	290.0	4605.0	3.0560-07	0.0000	2.5	20.0	7.6400-04
43	290.0	4607.5	3.2000-08	0.0000	2.5	20.0	8.0000-06
44	290.0	4610.0	9.1800-07	0.0000	5.0	20.0	4.5900-03
45	292.5	4605.0	6.2400-08	0.0000	2.5	20.0	1.5600-04
46	292.5	4607.5	2.1440-07	0.0000	2.5	20.0	5.3600-04
47	295.0	4600.0	1.8800-08	0.0000	5.0	20.0	9.4000-05
48	295.0	4605.0	1.4560-07	0.0000	2.5	20.0	3.6400-04
49	295.0	4607.5	7.6800-08	0.0000	2.5	20.0	1.9200-04

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All 20.0

50	295.0	4610.0	5.9200-08	0.0000	2.5	20.0	1.4800-04
51	295.0	4612.5	1.9200-07	0.0000	2.5	20.0	4.8000-04
52	297.5	4605.0	3.8600-08	0.0000	2.5	20.0	8.4000-05
53	297.5	4610.0	4.8000-09	0.0000	2.5	20.0	1.2000-05
54	297.5	4612.5	2.4960-07	0.0000	2.5	20.0	6.2400-04
55	300.0	4610.0	3.4000-08	0.0000	5.0	20.0	1.7000-04
56	305.0	4610.0	5.6400-08	0.0000	5.0	20.0	2.8200-04
57	255.0	4610.0	0.0000	0.0000	5.0	20.0	0.0000
58	255.0	4595.0	0.0000	0.0000	5.0	20.0	0.0000
59	255.0	4590.0	0.0000	0.0000	5.0	20.0	0.0000
60	255.0	4575.0	0.0000	0.0000	5.0	20.0	0.0000
61	255.0	4570.0	0.0000	0.0000	5.0	20.0	0.0000
62	255.0	4565.0	0.0000	0.0000	5.0	20.0	0.0000
63	255.0	4560.0	0.0000	0.0000	5.0	20.0	0.0000
64	300.0	4560.0	0.0000	0.0000	15.0	20.0	0.0000
65	300.0	4575.0	0.0000	0.0000	15.0	20.0	0.0000
66	300.0	4590.0	0.0000	0.0000	15.0	20.0	0.0000
67	300.0	4605.0	0.0000	0.0000	5.0	20.0	0.0000
68	305.0	4605.0	0.0000	0.0000	5.0	20.0	0.0000
69	310.0	4605.0	0.0000	0.0000	5.0	20.0	0.0000
70	265.0	4585.0	0.0000	0.0000	5.0	20.0	0.0000
71	285.0	4600.0	0.0000	0.0000	5.0	20.0	0.0000
72	297.5	4607.5	0.0000	0.0000	2.5	20.0	0.0000
73	275.0	4580.0	3.7040-07	0.0000	5.0	20.0	1.8520-03
74	285.0	4605.0	2.2160-07	0.0000	5.0	20.0	1.1080-03
75	310.0	4610.0	3.3200-08	0.0000	5.0	20.0	1.6600-04

All 0.0000

0.0000

THE ORIGIN IN INTERNAL UNITS IS(102. 1024)
THE SIZE OF THE AREA SOURCE ARRAY IS (240. 221)
RMIN= 102.00 RMAX= 125.00 SMIN= 1024.00 SMAX= 1045.00

57 57 7 7 13 13 22 22 28 28 29 29 36 36 44 44 51 54 55 55

56 56 75 75
57 57 7 7 13 13 22 22 28 28 29 29 36 36 44 44 50 53 55 55

56 56 75 75
2 2 2 2 12 12 21 21 27 27 35 35 74 74 43 45 49 52 67 67

68 68 69 69
2 2 2 2 12 12 21 21 27 27 35 35 74 74 42 45 48 52 67 67

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Toledo Region 4
STRATEGY (RAM)

• • • • • • UNIVAC 1110 TIME/SHARING EXEC --- MULTI-PROCESSOR SYSTEM --- VER. 32R002R-405C SITE • E.P.A. • • • • • •

RUNID • BSGEO PART NUMBER • 00 OUTPUT DEVICE • DATA0D

FILE NAME • R41 NON-STANDARD PRINT FILE PRINTED AT: 18:04:11 AUG 27,1976

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@DELETE.C TO-R4CD-PRE.
FUNPUN 0026-08/27-17:11
@CAT.P TO-R4CD-PRE.
READY
@ASG.A TO-R4CD-PRE.
READY
@USE 9.,TO-R4CD-PRE.
READY
@RUN GUNKAN,RAMOGO
          CRITICAL DAY AND ANALYSIS. TOLEDO REG. 4 STRATEGY TEST 1 (7/27/76)
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POINT SOURCE INFORMATION

SOURCE	EAST COORD (USER UNITS)	NORTH COORD	SO2(G/SEC) EMISSIONS	PART(G/SEC) EMISSIONS	STACK HT(M)	STACK TEMP(K)	STACK DIAM(M)	STACK VEL(M/SEC)	SIGNIFICANCE (CU. M)	EFF HT(M)
1	283.10	4610.60	24.27	.00	27.4	533.0	1.1	12.3	.2247-03	85.68
2	283.10	4610.60	41.05	.00	27.4	533.0	1.5	10.2	.2469-03	108.04
3	283.10	4610.60	41.05	.00	27.4	533.0	1.5	10.2	.2469-03	108.04
4	282.20	4609.70	3.78	.00	46.7	561.0	2.1	1.0	.5040-04	70.53
5	282.20	4609.70	3.78	.00	46.7	561.0	2.1	1.0	.5040-04	70.53
6	282.20	4609.70	8.32	.00	46.7	561.0	2.1	1.0	.1109-03	70.53
7	291.50	4611.80	11.29	.00	53.3	727.0	2.4	7.4	.2072-04	207.50
8	291.50	4611.80	8.45	.00	53.3	733.0	2.4	5.3	.2061-04	177.23
9	291.50	4611.80	9.60	.00	26.8	644.0	1.5	7.8	.6342-04	102.61
10	290.70	4611.80	2.36	.00	9.1	700.0	.6	26.7	.4281-04	59.96
11	291.50	4611.80	3.27	.00	45.7	592.0	2.1	11.1	.6433-05	199.42
12	291.50	4611.80	3.27	.00	45.7	592.0	2.1	11.1	.6433-05	199.42
13	291.50	4611.80	3.27	.00	45.7	592.0	2.1	11.1	.6433-05	199.42
14	291.50	4611.80	4.10	.00	45.7	592.0	2.1	11.1	.8066-05	199.42
15	291.50	4611.80	11.48	.00	16.0	611.0	1.2	15.1	.7325-04	104.59
16	291.50	4611.80	13.98	.00	16.7	652.0	1.2	22.2	.5220-04	140.05
17	291.00	4610.00	22.60	.00	83.8	589.0	2.1	5.3	.5787-04	172.58
18	291.00	4610.00	16.80	.00	54.9	589.0	2.4	5.1	.4923-04	160.28
19	286.90	4609.80	30.31	.00	27.0	461.0	2.6	3.2	.2425-03	92.60
20	286.90	4609.80	39.64	.00	27.0	458.0	2.6	4.6	.2216-03	112.46
21	286.90	4609.80	40.22	.00	29.4	504.0	2.4	4.9	.1941-03	121.92
22	291.50	4611.80	4.35	.00	26.9	644.0	1.5	7.8	.2854-04	103.00
23	291.50	4611.80	4.35	.00	26.9	644.0	1.5	7.8	.2854-04	103.00
24	291.50	4611.80	4.35	.00	26.9	644.0	1.5	7.8	.2854-04	103.00
25	291.50	4611.80	9.99	.00	38.1	783.0	1.9	10.9	.2164-04	189.17
26	291.50	4611.80	7.14	.00	38.1	811.0	1.8	9.0	.2017-04	163.54
27	291.50	4611.80	5.67	.00	42.7	678.0	1.6	7.3	.2552-04	126.65
28	291.50	4611.80	8.63	.00	42.7	580.0	1.8	7.8	.3423-04	135.75
29	291.50	4611.80	8.63	.00	42.7	580.0	1.8	7.8	.3423-04	135.75
30	291.50	4611.80	12.29	.00	53.3	533.0	3.7	6.0	.1670-04	246.13
31	291.50	4611.80	17.77	.00	53.3	533.0	3.7	6.0	.2415-04	246.13
32	291.50	4611.80	6.49	.00	42.7	558.0	2.0	7.3	.2334-04	143.25
33	291.50	4611.80	4.35	.00	42.7	558.0	2.0	7.3	.1564-04	143.25
34	291.50	4611.80	20.41	.00	39.6	472.0	2.9	7.3	.4574-04	185.68
35	291.50	4611.80	77.71	.00	75.9	505.0	3.0	28.2	.3890-04	439.72

AREA SOURCE INFORMATION

APPENDIX A

Rural MAXT24/SCIM/RAMR Counties

RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (if in. ft.)	COMPUTER STACK I.D.	Q Emission Rate g SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, O in ° z in ft)
					ALLEN COUNTY ✓					
Standard Oil	x = 743.0 y =4511.7	B001	0.39	45.7	1.6	8.5	730	109	99	x = 743. y =4511.
		B002	13.63	45.7	2.39	7.4	728			
		B003	.28	45.7	1.68	6.2	711			
		B004	2.53	48.7	3.96	8.97	670			
		B006	2.75	57.9	3.66	4.75	546			
		B007	0.29	45.7	1.5	7.68	722			
		B008	0.65	45.7	2.29	6.5	623			
		B009	0.53	76.1	2.13	12.6	447			
		B010	1.57	38.4	1.83	9.1	561			
		B011	0.48	39.4	1.53	18.99	766			
		B012	2.14	38.7	1.22	14.7	672			
		B013	0.14	30.8	1.68	7.34	633			
		B014	0.12	30.8	1.68	6.44	633			
		B015	0.09	18.5	0.9	16.54	649			
		B016	0.14	22.5	1.2	15.9	708			

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

[illegible]	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
BASE	LOCATION (x,y in km) (z in ft. MSL)	COMPUTER STACK I.D.	Q Emission Rate g SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,z in km, θ in °, z in ft)
		B217	0.01	9.1	0.3	2.5	644			
		B218	0.05	22.9	0.9	3.86	700			
		B219	0.01	12.2	0.24	4.7	644			
		B220	0.56	61.0	3.1	3.9	533			
		P214	16.77	61.0	3.36	11.74	500			
		P216	8.79	15.3	1.12	43.77	811			
	Clinker Unit at 95% removal efficiency									
[illegible]	x = 744.7									x = 746.
[illegible]	y =4516.5		89.69	59.4	2.13	9.12	560	320	99	y =4517.
[illegible]	x = 744.8									x = 746.
[illegible]	y =4516.0		76.15	28.7	0.9	16.8	422	320	99	y =4517.
[illegible]	x = 744.2									x = 743.
[illegible]	y =4511.5		38.91	23.8	1.66	11.5	505	105	99	y =4511.
[illegible]	x = 741.9									x = 743.
[illegible]	y =4512.8	1	8.01	15.2	1.98	13.3	483	28	99	y =4511.
		2	7.87	15.2	1.98	12.6	483			
[illegible]			78.78	41.2	1.28	14.30	505	67	126	x = 1.50 θ = 20

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,z in km, 0 in ° z in ft)
					ASHTABULA COUNTY					
Ashtabula Power Plant [illegible]	x = 519,100 y = 4639,400 z = 660	1	204.4	83.5	5.33	16.18	522	167	226	X=520.5 Y=4636.5
	x = 519,112 y = 4639,406 z = 660	2	284.4	83.5	5.33	16.18	522		226	X=520.5 Y=4636.5
	x = 519,125 y = 4639,426 z = 660	3	284.4	83.5	5.33	16.18	522		226	X=520.5 Y=4636.5
	x = 519,144 y = 4639,465 z = 660	4	1564.4	113.7	5.18	16.67	397		226	X=520.5 Y=4636.5
	x = 519,756 y = 4639,620 z = 660	5	1437.7	121.9	6.55	16.22	394	151	165	X=520.5 Y=4638.0
[illegible] Metals Collection Plant	x = 518.6 y = 4637.1 z = 662		20.96	22.7	1.07	12.95	561	219	265	X=518.6 Y=4639.2
[illegible] Plant	x = 519.1 y = 4638.5 z = 662		66.00	17.8	1.52	7.62	578	220	264	X=518.7 Y=4639.2
[illegible] Tank	x = 519.4 y = 4638.0	1	6.05	18.3	1.22	8.78	515	220	264	X=518.7 Y=4639.2

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	S STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS uq SO /m³	DAY	LOCATION (x,y,z in km, O in ° z in ft)
[illegible]	[illegible]	2	5.87	18.3	1.07	11.42	515			
[illegible]	x = [illegible] y = [illegible]	1	95.26	30.5	1.98	4.27	491	220	265	X = 518.7 Y = 4639.2
		2	5.54	22.9	0.82	12.80	644			
				ATHENS COUNTY						
[illegible]	See Appendix A									
[illegible]	x = [illegible] y = [illegible]		121.30	54.9	2.4	4.2	464	74	7/3	X=405.089 Y=4353.879
[illegible]	x = [illegible] y = [illegible]		35.53	68.6	1.98	3.98	617	74	7/3	X=405.059 Y=4353.879
				AUGLAIZE COUNTY						
[illegible]	x = [illegible] y = [illegible]		127.92	76.2	3.05	3.66	422	60	5/21	X = 721 Y = 4492.0
[illegible]	x = [illegible] y = [illegible]	1	35.02	59.4	3.35	0.80	560	60	5/21	X = 721 Y = 4492.0
		2	5.21	22.9	1.20	6.06	555			

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, O in ° z in ft)
					BUTLER COUNTY					
Chrystal Tissue	x = 722.6 y =4373.0		18.71	19.5	1.31	14.0	450	113	50	x = 725.42 y =4371.73
Diamond International Mill 2	x = 724.5 y =4377.4		11.98	20.7	1.37	16.97	394	113	50	x = 725.42 y =4371.73
Dorg Paper	x = 723.2 y =4377.3	B001-3	49.94	61.0	3.66	1.8	450	113	50	x = 725.42 y =4371.73
	x = 723.2 y =4377.3	B004	32.13	61.0	3.66	4.1	450	113	50	x = 725.42 y =4371.73
Diamond International Mill 1	x = 722.8 y =4377.2		8.72	19.5	1.40	13.09	561	113	50	x = 725.42 y =4371.73
Gold's Cross Station	x = 725.5 y =4371.5	B001	14.12	19.2	8.41	28.14	644			
	x = 723.0 y =4371.0	B002+3	11.82	8.5	3.99	16.82	684			
	x = 723.0 y =4371.0	B004	11.34	6.4	3.44	32.30	684			
	x = 723.0 y =4371.0	B005	8.02	6.4	3.05	41.06	672			
Champion	x = 709.9									x = 711.96

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) [illegible]	COMPUTER STACK I.D.	Q Emission Rate g SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,z in km, 0 in ° z in ft)
[illegible]	y =[illegible]	3010	69.86	67.1	3.35	7.21	452	55	2	y =4367.51
		3020	44.00	67.1	3.35	4.02	439	55	2	x = 711.96 y =4367.51
		3310-19	23.60	67.1	1.83	9.69	519	55	2	x = 711.96 y =4367.51
[illegible] Power Plant	x = 710.5 y =[illegible]	1	2.04	79.2	2.74	13.41	505			
		5	31.87	39.9	2.44	12.71	450	55	2	x = 711.96 y =4367.51
		6	13.63	39.9	2.44	13.53	450	55	2	x = 711.96 y =4367.51
		7	5.67	23.8	2.03	13.44	456	55	2	x = 711.96 y =4367.51
		8	50.11	50.6	2.29	15.09	436	60	224	x = 724.90 y =4378.38
		9	100.57	50.9	3.20	20.27	450	77	224	x = 724.45 y =4380.35
[illegible]	x = [illegible] y =[illegible]	0001-2	27.40	68.6	2.44	4.74	561	113	50	x = 725.42 y =4371.73
		0003-6	40.67	19.8	1.83	12.56	491	113	50	x = 725.42 y =4371.73
	x = [illegible] y =[illegible]	0007-10	101.12	26.2	2.13	7.55	505	113	50	x = 725.42 y =4371.73

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

[illegible]	[illegible]		STACK PARAMETERS					CRITICAL MODELING RESULTS		
[illegible]	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, θ in ° z in ft)
	x = [illegible] y = [illegible]	[illegible]	5.78	76.2	3.51	3.71	395	.88	50	x = 726.21 y = 4369.83
	x = [illegible] y = [illegible]	[illegible]	186.95	52.4	3.35	13.12	561	113	50	x = 725.42 y = 4371.73
[illegible]	x = [illegible] y = [illegible]	[illegible]	6.54	61.0	3.66	2.00	561	52	2	x = 713.84 y = 4369.53
					CLARK COUNTY					
[illegible]	See Appendix									
[illegible]		1	174.4	71.6	3.35	8.0	561	36	326	r = 3.40 θ = 80
		2	64.7	62.5	4.9	4.3	492			
					COLUMBIANA COUNTY					
[illegible]		1	205.99	53.3	1.52	8.7	572	362	117	r = 1.30 θ = 310

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (1 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate g SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, θ in °, z in ft)
		2	170.24	30.5	1.52	17.8	542			
		3	124.61	19.8	1.22	23.04	561			
				CRAWFORD COUNTY						
[illegible]			10.44	53.3	2.4	1.5	505	258	364	r = 0.60 θ = 320
				DEFIANCE COUNTY						
[illegible]			22.58	7.9	3.35	21	753	2	182	r = 2.40 θ = 50
				DELAWARE COUNTY						
[illegible]			210.8	44.2	1.83	3.1	505	258	364	r = 1.50 θ = 320

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RURAL COUNTIES-SOURCE INVE[illegible]RIES AND MODELING RESULTS

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (z in ft)	COMPUTER STACK I.D.	Q Emission Rate g SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,z in km, 0 in ° z in ft)
					ERIE COUNTY					
[illegible]		1	16.8	36.6	2.3	14.95	347	58	161	r = 0.80 0 = 40
		2	16.8	36.6	2.3	14.95	347			
		3	16.8	36.6	1.7	14.95	347			
[illegible]			119.3	18.0	1.2	3.8	465	949	255	r = 0.50 0 = 180
					FAIRFIELD COUNTY					
[illegible]		1	144.98	37.2	1.68	10.2	472	143	364	r = 2.00 0 = 320
		2	59.94	53.6	2.13	6.9	477			
[illegible]			20.00	12.3	0.6	14.4	547	213	86	r = 0.40 0 = 90
[illegible]			110.60	60.6	1.52	[illegible]	561	79	82	r = 1.00 0 = 180
[illegible]			15.81	41.2	1.22	14.4	542	12	364	r = 1.90 0 = 320

[illegible] COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km if [illegible])	COMPUTER STACK I.D.	Q Emission Rate g SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,z in km, O in ° z in ft)
					GREENE COUNTY					
[illegible]										
[illegible]	x = [illegible] y = [illegible]		20.61	12.2	1.22	1.02	566	970	99	x = 752.47 y =4409.35
[illegible]	x = [illegible] y = [illegible]		22.40	19.8	1.83	1.02	466	497	86	x = 750.34 y =4408.84
[illegible]	x = [illegible] y = [illegible]	1	19.34	19.2	1.37	2.29	541	1192	99	x = 749.15 y =4408.53
		2-3	15.31	18.9	1.83	1.07	475	1192	99	x = 749.15 y =4408.53
		4-5	22.00	18.9	2.44	0.92	528	1192	99	x = 749.15 y =4408.53
		6-7	20.30	17.4	2.44	0.71	499	1192	99	x = 749.15 y =4408.53
[illegible]	x = [illegible] y = [illegible]	1	1.22	17.7	0.61	1.02	450	343	50	x = 754.29 y =4410.19
		2	3.19	20.7	1.22	0.66	555	343	50	x = 754.29 y =4410.19
		3	10.65	21.9	2.44	0.56	491	343	50	x = 754.29 y =4410.19

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[illegible] COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

[illegible]	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION [illegible]	COMPUTER STACK I.D.	Q Emission Rate g SO2/sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO2/m³	DAY	LOCATION (x,y,z in km, 0 in ° z in ft)
[illegible]	x = [illegible] y = [illegible]	1-2	[illegible]	27.4	1.07	2.29	555	358	50	x = 754.02 y = 4410.41
		3-5	[illegible]	25.9	1.22	3.45	572	358	50	x = 754.02 y = 4410.91
[illegible]		1	[illegible]	[illegible]	1.52	6.40	505	197	161	r = 0.60 0 = 20
		2	[illegible]	16.0	1.22	4.31	402	197	161	r = 0.60 0 = 20
[illegible]		1	[illegible]	18.3	1.60	6.45	455	29	128	r = 0.80 0 = 20
		2	[illegible]	30.1	2.13	1.90	422	29	128	r = 0.80 0 = 20
[illegible]		[illegible]	[illegible]	36.6	2.42	1.65	561	90	342	r = 1.10 0 = 20
[illegible]	x = [illegible] y = [illegible]	[illegible]	[illegible]	55.9	5.60	3.43	396	90	342	r = 1.10 0 = 20
[illegible]	x = [illegible] y = [illegible]	[illegible]	[illegible]	24.6	2.30	16.79	422	242	3/26	X = 752.85 Y = [illegible]

[illegible] COUNTY

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate g SO_2/sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO_2/m^3	DAY	LOCATION (x,y,r in km, θ in ° z in ft)
Ball Rubber			9.67	50.3	1.4	19.2	533	4	136	r = 1.20 θ = 40
				GUERNSEY COUNTY						
Cambridge State Hospital			78.1	60.0	2.4	2.2	511	61	116	r = 0.60 θ = 260
Ekee			16.8	45.7	1.2	5.7	561	21	364	r = 1.50 θ = 320
				HANCOCK COUNTY						
Cooper Tire & Rubber	x = 276.3 y =4544.8		49.74	53.3	2.13	10	478	18	255	r = 2.5 θ = 180
Northern Ohio Sugar	x = 275.2 y =4544.2		22.60	21.2	2.3	6.3	319	107	128	r = 0.50 θ = 40
Ashland Oil Company	x = 275.6 y =4545.6	B001	12.45	29.0	1.4	4.11	533	116	3/27	X=276.5 Y=4546.0
	x = 275.6 y =4545.5	B002	6.05	35.1	1.4	1.88	535	116	3/27	X=276.5 Y=4546.0

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,z in km, θ in ° z in ft)
	x = 275.6 y =4545.6	B003-4	33.07	22.9	1.4	11.49	503	116	3/27	X=276.5 Y=4546.0
				HARDIN COUNTY						
Essex			8.81	14.6	0.9	6.1	464	92	364	r = 0.50 θ = 320
				HENRY COUNTY						
Campbell Soup		1	72.54	30.5	1.75	18.3	544	83	87	r = 1.30 θ = 70
		2	72.54	30.5	1.75	18.3	544	83	87	
		3	14.23	30.5	1.37	15.3	517	83	87	

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE DESCRIPTION			STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	h STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	χ PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, Θ in ° z in ft)
HOLMES COUNTY										
Holmes By-Product			6.47	22.9	0.76	11.4	505	31	359	r = 0.70 Θ = 20
HURON COUNTY										
Norwalk Power Plant		1	143.2	32.6	1.9	10.5	472	262	38	r = 1.50 Θ = 80
		2	181.2	33.2	2.1	8.8	423			
KNOX COUNTY										
Mt. Vernon State Univ.			30.1	58.5	2.4	6.1	422	13	197	r = 0.90 Θ = 170

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SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,z in km, θ in ° z in ft)
				LAWRENCE COUNTY						
Allied Chemical Company Cement-Solvay Division										
Allied Chemical Coke Plant	x = 355.4 y =4263.2	Boilers 1,2,3	20.43	76.2	2.7	7.62	589	107	10	x = 355.69 y =4263.22
	x = 355.4 y =4263.1	Coke Battery 1	8.38	61.0	2.7	3.4	533	107	10	x = 355.69 y =4263.22
	x = 355.4 y =4263.2	Coke Battery 2	4.24	80.2	2.7	1.9	567	107	10	x = 355.69 y =4263.22
	x = 355.4 y =4263.4	Coke Battery 3	18.82	68.6	3.3	5.4	533	107	10	x = 355.69 y =4263.22
Allied Chemical Company Tar Processing Plant	x = 355.1 y =4262.9	Boiler 1	1.03	19.3	1.1	2.9	533	107	10	x = 355.69 y =4263.22
	x = 355.1 y =4262.9	Boiler 2	1.12	19.3	1.1	4.1	533	107	10	x = 355.69 y =4263.22
	x = 355.1 y =4263.0	Boiler 3	2.28	18.6	1.2	6.1	555	107	10	x = 355.69 y =4263.22
	x = 355.2	Tar								x = 355.69

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE DESCRIPTION			STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,z in km, θ in ° z in ft)
	y =4262.9	Topping	1.18	26.1	1.14	3.4	672	107	10	y =4263.22
	x = 355.2	Tar								x = 355.69
	y =4262.9	Heater	1.07	27.0	0.9	4.98	728	107	10	y =4263.22
	x = 355.1	Napthalene Still Inter-								x = 355.69
	y =4263.0	mediate	1.06	15.4	0.76	7.8	811	107	10	y =4263.22
		Napthalene Still Final	1.14	15.4	0.76	8.7	811	107	10	x = 355.69 y =4263.22
	x = 355.2	#1 Batch								x = 355.69
	y =4262.9	Still	0.97	27.8	0.76	8.5	866	107	10	y =4263.22
	x = 355.2	#2 Batch								x = 355.69
	y =4262.9	Still	0.60	27.8	0.76	5.2	866	107	10	y =4263.22
Allied Chemical Specialty Chemicals	x = 361.3 y =4255.3	Boilers	396.32	38.1	1.8	13.3	478	229	10	x = 363.55 y =4256.13
	x = 361.1	Reforming								x = 362.44
	y =4255.4	Furnaces	10.95	18.3	1.4	20.45	561	158	65	y =4256.30
North American Refractories	x = 355.8 y =4264.1	Kilns	36.5	12.8	1.19	7.84	615	170	10	x = 356.57 y =4264.69
Dayton Malleable Iron	x = 354.5	Holding								x = 355.69
	y =4262.8	Furnaces	7.19	19.8	2.1	3.43	700	107	10	y =4263.22
		Cupolas	20.13	18.8	1.37	5.43	494	107	10	x = 355.69 y =4263.22

SOURCE	DESCRIPTION	STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate g SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, θ in ° z in ft)
Marquette Cement Company			66.65	38.1	3.7	9.6	533	14	185	r = 2.00 θ = 50
				LICKING COUNTY						
Owens Corning		1	1.76	17.8	1.1	2.5	517	26	364	r = 0.60 θ = 320
		2	1.82	17.8	1.1	6.1	925			
		3	0.74	17.8	1.1	4.9	792			
Denison Univ.			23.96	55.5	2.1	5.08	561	12	364	r = 2.00 θ = 320
Kaiser Aluminum		1	46.96	68.6	2.1	7.4	505	29	187	r = 1.00 θ = 170
		2	46.96	68.6	2.1	7.4	505	29	187	r = 1.00 θ = 170

RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE DESCRIPTION			STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, θ in ° z in ft)
				MADISON COUNTY						
London Correctional Institute.			35.0	60.96	2.4	5.5	489	13	187	r = 0.90 θ = 170
				MARION COUNTY						
Ohio Road Paving	x = 321.0 y =4500.1		17.46	14.6	1.2	17.	322	202	118	x = 320.66 y =4500.50
Huber Corporation	x = 321.0 y =4495.3		41.99	18.3	1.22	4.04	478	358	118	x = 320.63 y =4495.74
Marion Power Shovel	x = 318.8 y =4495.1	1	24.32	35.1	1.98	2.63	519	80	118	x = 318.12 y =4495.89
	x = 318.8 y =4495.1	2	24.32	35.1	2.4	5.08	464	80	118	x = 318.12 y =4495.89
Marion Correctional Institute	x = 322.0 y =4498.3		76.42	56.4	5.5	0.34	630	64	118	x = 320.82 y =4499.67

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE DESCRIPTION			STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, O in ° z in ft)
MEDINA COUNTY										
Bunker Hill Greenhouse			17.1	30.5	1.5	3.2	533	47	359	r = 1.00 O = 20
Ohio Matek Company			43.1	33.5	1.68	1.97	464	132	199	r = 0.40 O = 60
MERCER COUNTY										
Celina Municipal Power Plant			20.96	48.46	1.98	6.89	444	13	128	r = 2.10 O = 20
MIAMI COUNTY										
Piqua Municipal Power Plant	See Appendix A									
Van Decker Packing Co.			3.1	27.4	0.52	0.3	533	38	312	r = 0.30 O = 10
Holbert										r = 1.60

RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, θ in °, z in ft)
Corporation			27.6	48.8	1.83	5.6	553	19	128	θ = 20
Miami City Incenerator			3.2	24.4	1.14	24.3	566	4	161	r = 0.90 θ = 20
MUSKINGUM COUNTY										
Ohio Power Plant	See Appendix A									
Armco Steel		Boilers	26.41	50.3	3.65	0.78	477	29	229	r = 0.50 θ = 200
Columbus Cement			222.24	66.8	3.4	22	511	15	82	r = 3.00 θ = 180
OTTAWA COUNTY										
U.S. Gypsum & Genoa		P010	5.39	11.0	4.75	3.3	322	27	128	r = 0.60 θ = 40
U.S. Gypsum & Gypsum		B001-3	45.91	18.59	1.37	15.4	519	221	87	r = 0.70 θ = 70
		B004	31.45	19.51	1.37	10.8	519	221	87	r = 0.70 θ = 70

RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE DESCRIPTION			STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,z in km, θ in °, z in ft)
		B005	59.90	29.26	1.37	20.0	450	221	87	z = 0.70 θ = 70
		P012	6.3	15.24	0.43	12.6	533	221	87	z = 0.70 θ = 70
Uniroyal			28.75	51.34	2.74	6.39	444	11	255	z = 3.00 θ = 160
				FAULDING COUNTY						
General Portland Company			194.5	76.64	4.5	4.8	550	37	99	z = 4.50 θ = 100
				PICKAWAY COUNTY						
Pickway Power Plant	See Appendix fi									
Orient State Institute			128.1	50.3	1.8	9.4	478	66	364	z = 2.40 θ = 320
Container Corp. of America		1	79.9	36.6	3.05	10.7	589	57	25	z = 1.70 θ = 60

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SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate g SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,z in km, θ in °, z in ft)
		2	46.1	22.9	1.7	17.8	616	57	25	x = 1.70 θ = 60
		3	4.6	18.3	1.2	25.0	644	57	25	x = 1.70 θ = 60
					PIKE COUNTY					
Energy Research Development Administration			290.2	33.1	1.98	7.7	617	261	185	x = 0.80 θ = 50
					PORTAGE COUNTY					
Kent State University		1	10.1	38.1	2.4	4.96	533	36	359	x = 1.50 θ = 20
		2	22.6	61.6	2.9	1.7	533			

RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, θ in ° z in ft)
				PREBLE COUNTY						
Eaton H.S.			3.02	15.24	4.9	3.1	422	26	2	r = 0.80 θ = 20
				PUTNAM COUNTY						
Buckeye Sugar Inc.			26.8	42.7	2.7	8.3	616	8	87	r = 1.70 θ = 70
				RICHLAND COUNTY						
Shelby Muny Power Plant			390.75	68.6	2.44	8.06	422	114	184	r = 1.00 θ = 50
Empire Detroit Steel	x = 371.5 y =4515.6		20.06	24.4	1.6	5.5	560	46		
Globe Steel	x = 373.2 y =4513.5		5.32	21.3	1.8	0.72	394	53		
Ohio Brass	x = 372.3 y =4514.4		39.34	45.7	2.7	3.3	519	27		

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE DESCRIPTION		STACK PARAMETERS						CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,z in km, θ in ° z in ft)
Fisher Body	x = 364.8 y =4514.4	1	9.92	29.0	1.2	11.9	463	56		
		2	13.23	29.0	1.2	15.8	463	56	184	r = 1.00 θ = 50
		3	13.23	29.0	1.2	15.8	463	56	184	r = 1.00 θ = 50
Mansfield Tire 6th St.	x = 371.2 y =4513.7		4.81	21.3	1.68	12.19	404	9		
Mansfield Tire Newman St.	x = 372.5 y =4514.4		17.43	71.6	2.44	9.94	519	3		
Westinghouse	x = 372.8 y =4513.2	1	28.75	31.1	1.5	3.75	450	286	9/11	X=372.8 Y=4512.5
		2	25.88	31.7	1.5	2.5	450	286	9/11	X=372.8 Y=4512.5
		3	19.17	31.4	1.5	2.5	450	286	9/11	X=372.8 Y=4512.5
		4	38.81	39.6	1.5	4.8	450	286	9/11	X=372.8 Y=4512.5
Ohio State Reformatory	x = 373.9 y =4515.9		120.69	54.9	2.7	9.15	553	27		

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,z in km, θ in °, z in ft)
				ROSS COUNTY						
Mead Paper	x = 329.80 y =4354.48	465 ft. Stack	1454.7	144.8	4.27	22.87	429	62		
	x = 329.74 y =4354.42	New Recovery	12.9	91.4	3.05	25.9	489	62		
				SANDUSKY COUNTY						
J.E. Baker		1	60.38	37.8	2.29	8.62	866	42	87	r = 1.50 θ = 70
		2	60.38	37.8	2.07	10.5	866	42	87	r = 1.50 θ = 70
Ohio Lime	x = 303.2 y =4590.2	P012	16.17	18.3	3.65	3.25	344	65	12/5	X=301 Y=4587.5
	x = 303.6 y =4589.1	P015	17.97	30.4	2.23	7.50	810	65	12/5	X=301.0 Y=4587.5
	x = 303.6 y =4589.1	P016	15.57	26.2	1.63	12.0	810	65	12/5	X=301.0 Y=4587.5
	x = 303.6 y =4589.1	P017	20.37	30.5	2.23	8.0	810	65	12/5	X=301.0 Y=4587.5

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	χ PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,z in km, θ in ° z in ft)
	x = 303.6 y =4589.1	P018	28.75	36.6	2.59	8.0	810	65	12/5	X = 301.0 Y = 4587.5
Martin Marietta	x = 302.4 y =4592.9	P010+14	84.53	61.0	2.44	21.19	630	65	12/5	X = 301.0 Y = 4587.5
		P013	26.83	61.0	2.44	10.92	630	65	12/5	X = 301.0 Y = 4587.5
Woodville Lime	x = 302.4 y =4592.3		26.73	26.5	1.61	15.42	644	65	12/5	X = 301.0 Y = 4587.5
Northern Ohio Sugar		1	7.97	19.2	1.19	25.47	477	16	182	r = 0.70 θ = 50
		2	7.97	19.2	1.19	25.47	477	16	182	r = 0.70 θ = 50
SCIOTO COUNTY										
Empire Detroit Steel		B001	3.32	38.1	2.7	16.0	505	23	185	r = 1.00 θ = 50
		B006	9.77	18.2	1.5	12.9	505	23	185	r = 1.00 θ = 50
		P001	31.4	64.0	2.7	4.0	450	23	185	r = 1.00 θ = 50
U.S. Chemicals		1	24.16	36.6	1.5	6.2	453	84	185	r = 0.60 θ = 50

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RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE DESCRIPTION		STACK PARAMETERS						CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. tt.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, O in ° z in ft)
		2	24.16	36.6	1.5	6.2	453	84	185	r = 0.60 O = 50
		3	7.50	15.2	1.5	14.2	450	84	185	r = 0.60 O = 50
		4	7.50	15.2	1.5	14.2	450	84	185	r = 0.60 O = 50
				SENECA COUNTY						
Union Carbide		1	176.5	26.8	0.86	11.5	819	437	339	r = 1.00 O = 220
		2	35.3	36.6	1.50	16.3	1133	437	339	r = 1.00 O = 220
Swift Edible Oil			3.27	10.6	0.9	7.2	533	38	25	r = 0.30 O = 70
Central Soya			61.55	45.7	1.83	27.41	466	16	25	r = 2.20 O = 70
Basic Refractories	x = 314.9 y =4565.9		539.1	61.0	3.05	27.7	617	176	5/14	X=312.5 Y=4553.23
National Machine	x = 318.5 y =4551.6		6.77	10.7	0.6	12.9	533	176	5/14	X=312.5 Y=4553.23
Tiffin State	x = 318.6									

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SOURCE DESCRIPTION			STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (z in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/Sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, O in °, z in ft)
Hospital	y =4555.6		92.7	59.4	2.4	0.77	522	176	5/14	Recp 4
			TUSCARAWAS COUNTY							
Empire Detroit Steel			61.38	61.0	3.05	3.05	533	27	159	r = 1.00 0 = 60
Union Comp.		1	63.91	22.9	1.1	19.5	488	153	359	r = 1.30 0 = 20
		2	86.86	53.3	2.4	5.6	478	153	359	r = 1.30 0 = 20
Dover Municipal Power Plant		1	34.14	61.3	2.0	3.34	611	187	359	r = 1.00 0 = 20
		2	39.29	30.5	2.3	3.98	697	187	359	r = 1.00 0 = 20
		3	73.67	34.4	2.1	2.86	489	187	359	r = 1.00 0 = 20
Cyclops Corp.			72.45	61.0	3.1	1.1	316	59	206	r = 1.00 0 = 60
Fairfield Brick			18.21	7.0	2.0	3.6	505	232	359	r = 0.50 0 = 20
										r = 0.50

RURAL COUNTIES-SOURCE INVENTORIES AND MODELING RESULTS

SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, O in ° z in ft)
			18.21	7.0	2.0	3.6	505	232	359	O = 20
			VAN WERT COUNTY							
Borden Foods			2.48	38.1	2.0	5.36	554	2	128	r = 1.40 O = 20
			VINTON COUNTY							
Austin Powder		1	9.38	30.5	1.52	2.16	483	95	161	r = 0.50 O = 50
		2	18.47	14.3	1.07	7.25	563	95	161	r = 0.50 O = 50
			WARREN COUNTY							
Lebanon Correctional Institution			80.5	62.2	2.6	3.3	561	37	197	r = 1.00 O = 30

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SOURCE	DESCRIPTION		STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS uq SO /m³	DAY	LOCATION (x,y,r in km, O in ° z in ft)
WASHINGTON COUNTY										
Muskingum River Power Plant	See Appendix A									
Shell Chemical	z = 612		357.68	45.7	1.68	10.94	459	630	25	r = 0.68 O = 50 z = 782
Union Carbide	x = 455.13 y = 4357.45 z = 620		1229.4	110.3	5.9	20.6	422	49	185	r = 3.00 O = 50 z = 750
WAYNE COUNTY										
Packaging Corp of America	x = 0.0 y = 0.0	1	249.10	45.7	2.3	12.6	533	218	9/26	X=100.855 Y=1002.349
	x = 0.0 y = 0.0	2	124.55	45.7	3.96	4.3	533	218	9/26	
Morton Salt	x = -0.302 y = -0.077		169.14	48.8	2.1	7.9	478	218	9/26	
Apple Creek State Insti.			224.11	61.0	2.4	8.64	558	60	143	r = 1.50 O = 60

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SOURCE DESCRIPTION			STACK PARAMETERS					CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, θ in ° z in ft)
Orrville Milk Company			29.35	50.3	1.8	0.97	617	59	206	r = 0.60 θ = 60
Orrville Muny Power Plant		1	424.20	76.5	2.1	15.1	424	234	199	r = 1.00 θ = 60
		2	228.86	38.7	2.7	6.42	424	234	199	r = 1.00 θ = 60
College of Wooster			26.26	61.6	1.53	5.8	550	18	206	r = 1.00 θ = 60
			WILLIAMS COUNTY							
T.E. Stryker Substation			13.77	12.8	3.3	26.2	727	1	182	r = 2.30 θ = 50
Bryon Muny Power Plant		1	1.97	15.2	2.1	18.3	533	1	130	r = 1.40 θ = 70
		2	5.22	7.9	2.4	35.8	589	1	130	r = 1.40 θ = 70

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SOURCE DESCRIPTION		STACK PARAMETERS						CRITICAL MODELING RESULTS		
NAME	LOCATION (x,y in km) (2 in. ft.)	COMPUTER STACK I.D.	Q Emission Rate q SO /sec	H STACK HEIGHT m	D STACK DIAMETER m	V GAS EXIT VELOCITY m/sec	T GAS EXIT TEMPERATURE °K	X PREDICTED GROUND LEVEL CONCENTRATIONS ug SO /m³	DAY	LOCATION (x,y,r in km, O in °, z in ft)
WOOD COUNTY										
Libby Owens Ford	x = 291.0 y =4610.0	1	11.3	83.8	2.1	5.3	589	356	310	x = 287.07 y =4609.59
		2	11.3	83.8	2.1	5.3	589	356	310	
		3	16.8	54.9	2.4	5.1	589	356	310	
L.O.F. Rossford Plant	x = 286.9 y =4609.8	D	30.31	27.0	2.59	3.21	461	356	310	
		E	39.64	27.0	2.59	4.62	458	356	310	
		F	40.22	29.9	2.44	4.89	508	356	310	

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APPENDIX A

Power Plant Counties

Power Plant Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. O. (F. L.) (#/MMBTU)
1. Adams	265.8	4579.8	526	1	2084.4	243.8	6.04	30.78	389	2.92
2. Stuart P.P.	265.7	4579.8	526	2	2084.4	243.8	6.04	30.78	389	2.92
3. DP&L	265.6	4579.8	526	3	2084.4	243.8	6.04	30.78	389	2.92
	265.6	4579.8	526	4	2084.4	243.8	6.04	30.78	389	2.92

MODEL[illegible] RESULTS

Note: modification to table

DAY	HRS	LOCATION r(km)	LOCATION θ(°)	z(ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)
197	1-24	3.5	30	890	298.52	72	56.83	56.83	56.83	56.83
203	10-12	1.2	150	485	1206.1	72	283.53	283.53	283.53	283.53

Power Plant Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gm/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. g. (E. L.) (#/MMBTU)
1. Allen	257.0	4531.1	-	1	41.0	49.0	2.4	12.4	450.0	.95
2. Woodcock	257.0	4531.1	-	2	44.0	49.0	3.3	7.6	450.0	.95
3. Ohio Power										

MODEL RESULTS

Note: modification to table

DAY	HRS	LOCATION r(km)	LOCATION θ(°)	z(ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	(ug/m^3)	X_s (ug/m^3)	X_s (ug/m^3)	X_s (ug/m^3)
212	10-12	1.0	260	-----	158.79	66	47.6	45.2	------	------
161	1-24	2.0	20		93.6	66	13.9	13.7		

Utility / Power Plant / Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
1. Ashtabula	519.1	4639.4	600	1	284.4	83.5	5.33	16.18	522	1.46
2. Ashtabula Power	519.1	4639.4	600	2	284.4	83.5	5.33	16.18	522	1.46
3. CEI	519.1	4639.4	600	3	284.4	83.5	5.33	16.18	522	1.46
	519.1	4639.5	600	4	1584.4	113.7	5.18	16.67	397	5.57
	519.8	4639.6	630	5	1434.7	121.9	6.55	16.22	394	4.98

DAY	HRS	LOCATION	MODELING RESULTS: X Total (ug/m^3)	EG. (ug/m^3) (X of other sources)	Note: modification to table: (ug/m^3)	X_s (ug/m^3)	X_s (ug/m^3)	X_s (ug/m^3)
		See Appendix A.B.b						

Power Plant Company	LOCATION			Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)	
	X(km)	Y(km)	Z(ft.)								
1. Athens	398.4	4358.6	685	1	594.3	61.0	3.05	21.28	391	4.94	
2. Poston	398.4	4358.6	685	2	872.0	61.0	3.35	27.16	413	4.90	
3. Columbus & Southern Ohio				3	1037.8	243.8	7.92	18.28	325	1.20	(NSPS)

MODELING RESULTS

Note: modification to table

EQK #	DAY	HRS	LOCATION r(km)	θ(°)	z(ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{S1} (ug/m^3)	X_{S2} (ug/m^3)	X_{S3} (ug/m^3)	X_{S4} (ug/m^3)
1	130	1-24	1.4	70	860	420	31	265.1	123.9	8.9×10^{-5}	8.9×10^{-5}
2	269	10-12	1.4	90	880	1248.3	31	855.0	362.3	unobserv.	
3	65	1-24	3.3	50	880	339.0	31	151.7	156.0	0.3	
4	165	13-15	1.4	80	880	1611.4	31	819.1	753.4	7.9	
5	146	1-24	1.0	290	760	203.9	31	59.9	67.8	45.2	
6	146	13-15	1.0	240	800	1413.3	31	478.5	542.4	361.4	

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...nty Power Plant Company	LOCATION			Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
	X(km)	Y(km)	Z(ft.)							
1. Belmont	520.5	4417.5	650	1	3987.23	259.10	6.55	32.29	466	5.17
2. Burger										
3. Ohio Edison										

MODELING RESULTS

Note: modification to table

DAY	HRS	LOCATION r(km)	θ(°)	z(ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)
127	1-24	4.5	340	1180	150.7	84	66.7	-----	-----	
213	13-15	1.4	130	1090	427.2	84	343.2			

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County / Power Plant / Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
1. Clark	256.0	4423.0	900	1	83.9	39.6	3.05	7.77	500	2.95
2. Mad River	256.0	4423.0	900	2	83.9	39.6	3.05	7.77	500	2.95
3. Ohio Edison	256.0	4423.0	900	3	247.6	83.8	4.57	7.14	431	2.95
	256.0	4423.0	900	4	19.6	12.2	4.21	24.38	775	0.31
	256.0	4423.0	900	5	19.6	12.2	4.21	24.38	775	0.31

MODEL RESULTS

Note: modification to table

EQN #	DAY	HRS	LOCATION r(km)	θ(°)	z(ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{S1} (ug/m^3)	X_{S2} (ug/m^3)	X_{S3} (ug/m^3)	X_{S4} (ug/m^3)	X_{S5} (ug/m^3)
1	51	1-24	1.4	100	1020	239.4	64	80.7	80.7	14	.00015	.00015
2	155	1-24	1.4	100	1020	186.56	64	40.3	40.3	41.8	.08	.08
3	86	1-24	2.4	80	950	111.3	64	4.9.	4.9	35.9	.8	.8
4	225	10-12	1.4	100	1020	641.3	64	255.2	255.2	66.9	.0029	.0029
5	142	13-15	1.0	340	960	298.2	64	75.4	75.4	80.4	1.5	1.5
6	161	13-15	2.4	40	940	149.9	64	6.1	6.1	64.9	4.4	4.4

Power Plant / Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
1. Clermont	733.963	4319.289	515	1	680.0	91.4	3.66	16.34	448	5.56
2. Beckjord	733.968	4319.268	515	2	698.0	91.4	3.66	16.55	429	5.55
3. Cincinnati Gas & Electric	733.976	4319.241	515	3	833.4	114.3	3.66	20.21	420	5.43
	733.983	4319.216	515	4	957.4	114.3	3.66	22.10	401	5.33
	733.988	4319.160	515	5	4316.9	137.2	5.79	39.01	410	5.42

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MODELING RESULTS

Note: modification to table

EQN #	DAY	HRS	LOCATION r(km)	LOCATION θ(°)	LOCATION z(ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)	X_{s5} (ug/m^3)
1	14	1-24	1.2	50°	790	857.8	50	249.8	284.8	114.1	138.2	20.9
2	145	13-15	1.2	50°	790	3284.1	50	927.2	1035.4	502.3	602.2	167.0
3	358	1-24	3.4	30°	810	903.4	50	219.3	235.9	171.5	200.2	26.5
4	30	13-15	1.2	70°	780	2625.4	50	670.2	725.6	518.0	612.0	49.6
5	126	1-24	3.4	30°	810	441.9	50	59.1	61.7	65.4	75.8	129.9
6	112	13-15	3.4	30°	810	1384.4	50	172.8	178.6	192.0	221.4	569.6

Power Plant Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
1. Coshocton	425.000	4448.282	725	1	2735.3	137.2	4.27	30.49	422	8.21
2. Conesville	425.070	4448.380	725	2	1319.4	137.2	3.81	19.99	416	8.18
3. Columbus & Southern Ohio	425.091	4448.481	725	3	7659.6	243.8	7.92	27.24	416	8.23
				4	1037.8	243.8	7.92	18.28	325	1.20 (NSPS)

MODELING RESULTS

Note: modification to table

EQN #	DAY	HRS	LOCATION r(km)	LOCATION θ(°)	LOCATION z(ft.)	X Total (ug/m³)	EG. (ug/m³) (X of other sources)	X_{s1} (ug/m³)	X_{s2} (ug/m³)	X_{s3} (ug/m³)	X_{s4} (ug/m³)
1	65	1-24	4.7	60°	1050	347.1	63	162.0	98.0	15.6	8.5
2	82	10-12	2.2	180	1000	1536.3	63	674.1	693.0	42.5	63.7
3	364	1-24	4.7	320	1080	405.6	63	147.2	180.4	3.1	11.9
4	204	13-15	1.0	230	740	2316.4	63	867.3	641.9	373.5	370.7
5	179	1-24	4.7	170	1050	280.8	63	65.0	34.6	96.4	21.8
6	204	13-15	2.2	230	740	1734.7	63	480.2	285.8	737.6	168.1
7	204	1-24	1.0	230	740	345.0	63	108.5	80.3	46.8	46.4
8	204	13-15	1.0	230	740	2316.4	63	867.3	641.9	373.5	370.7

Power Plant Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
1. Cuyahoga	445.3	4597.6	-	1	158.1	46.6	2.9	15.8	433	1.67
2. Cleveland Municipal	445.3	4597.6	-	2	393.4	49.7	2.6	12.3	450	1.67
3. City of Cleveland										

MODEL[illegible] RESULTS

Note: modification to table

DAY	HRS	LOCATION		X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)
205	1-24	444.69	4590.31	454.9	389	47.1	18.8	-----	-------

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...nty Power Plant Company	LOCATION			Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
	X(km)	Y(km)	Z(ft.)							
1. Cuyahoga	446.40	4598.3	-	1	1002.0	97.6	5.2	16.1	426	3.5
2. Lake Shore	446.40	4598.3	-	2	568.0	81.7	3.7	11.9	397	5.2
3. CEI	446.40	4598.3	-	3	568.0	81.7	3.7	11.9	397	5.2
	446.40	4598.3	-	4	455.3	81.7	3.7	9.9	403	5.2
	446.40	4598.3	-	5	455.3	81.7	3.7	9.9	403	5.2

MODEL RESULTS

Note: modification to table

DAY	HRS	LOCATION		X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)	X_{s5} (ug/m^3)
187	1-24	446.0	4593.0	676	202.34	103.3	101.4	101.4	83.9	83.9

520<

County / Power Plant / Company	LOCATION			Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
	X(km)	Y(km)	Z(ft.)							
1. Gallia	403.03	4319.53	560	1	25875.8	335.3	12.95	31.79	444.0	7.4
2. Gavin										
3. Ohio Power										

521<

MODELING RESULTS

Note: modified to tabl

DAY	HRS	LOCATION r(km)	θ(°)	z(ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)
204	1-24	1.6	240	560	137.36	40	97.36	----	------	------
204	13-15	1.6	240	560	818.85	40	778.85	----	------	------

County / Power Plant / Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
1. Gallia	402.1	4307.7	560	1	3061.096	164.0	4.5	41.8	444.2	6.42
2. Kyger Creek	402.2	4307.7	560	2	1530.55	164.0	3.1	41.5	444.2	6.42
3. OVEC	402.1	4307.7	560	3	3061.096	164.0	4.5	41.8	444.2	6.42

MODELING RESULTS

Note: modification to tabl

DAY	HRS	LOCATION r(km)	LOCATION θ(°)	LOCATION z(ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)
204	1-24	1.2	240	650	261.39	40	78.4	64.6	78.4	
204	13-15	1.2	240	650	1780.5	40	620.6	499.4	620.6	

Power Plant Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
1. Hamilton	689.915	4331.466	492	2	36.22	83.2	3.05	19.42	478	0.31
2. Miami Fort	689.900	4331.500	492	3	1395.2	70.7	3.96	28.19	462	5.81
3. Cincinnati Gas & Electric	689.885	4331.513	492	4	1086.1	114.3	3.35	28.77	415	5.61
	689.850	4331.687	492	5	3434.8	243.8	5.91	33.83	405	5.53
	689.8	4331.4		6	759.7	243.8	5.8	31.4	366	1.2 NSPS
DuPont	689.1	4331.6			85.11	61.0	1.5	3.1	361	271bs SO_2/Ton $\#_2SO_4$
Tanners Creek	685.1	4327.8		1	383.7	83.2	3.6	25.9	444	1.2
	685.1	4327.8		2	279.6	83.2	4.5	23.8	444	1.2 at compliance with APC-13
	685.1	4327.8		3	769.4	167.0	5.4	36.9	441	1.2

525<

MODELING RESULTS

Note: modification to table

DAY	HRS	LOCATION r(km)	θ(°)	z(ft.)	X Totgl (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_s2 (ug/m^3)	X_s3 (ug/m^3)	X_s4 (ug/m^3)	X_s5 (ug/m^3)	X_s6 (ug/m^3)
Miami Fort 108	1-24	692.0	4334.0	770	553.45	105.6*	12	276.2	159.9	.2	.3
DuPont							15.5				
Tanners Creek							17.33	11.24	7.64		

*contributions from other sources.

County / Power Plant / Company	LOCATION			Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. O. (E. L.) (#/MMBTU)
	X(km)	Y(km)	Z(ft.)							
1. Jefferson	530.340	4456.040	650	1	3198.5	251.8	6.71	25.39	447	4.92
2. Cardinal	530.300	4455.960	650	2	3198.5	251.8	6.71	25.39	447	4.92
3. Buckeye & Ohio Power, AEP	40° 14' 32" N	80° 39' 24" N	670	3	2335.9	274.3	7.32	24.38	430	3.11 (for 1978 startup)

MODEL RESULTS

Note: modification to table

DAY	HRS	LOCATION r(km)	LOCATION O(°)	LOCATION z(ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)
127	1-24	4.0	340	760.0	246	84	62.1	62.1	37.8	-----
215	13-15	1.3	60	680	1171.2	84	399.4	399.4	286.4	

528<

Power Plant Company	LOCATION			Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. O. (E. L.) (#/MMBTU)
	X(km)	Y(km)	Z(ft.)							
1. Jefferson	531.7	4485.5	690	1	2270.84	153.6	6.4	18.59	405	4.49
2. Sammis	531.7	4485.5	690	2	2270.84	153.6	6.1	20.51	405	4.49
3. Ohio Edison	531.7	4485.5	690	3	5670.55	259.1	9.51	22.01	405	4.49
	531.7	4485.5	690	4	3781.06	304.8	8.17	19.90	406	4.49

MODELING RESULTS

Note: modification to table

EQN #	DAY	HRS	LOCATION r (km)	LOCATION θ (°)	LOCATION z (ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)
1	86	1-24	4	80	1150	561.1	84	232.2	231.8	10.0	3.1
2	86	19-21	4	80	1150	1611.6	84	745.8	744.6	28.0	9.2
3	215	1-24	1.5	60	1020	312.5	84	45.2	45.1	83.1	55.1
4	215	13-15	1.5	60	1020	1858.2	84	334.7	334.3	664.5	440.7

County / Power Plant / Company	LOCATION			Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. I.) (#/BTU)
	X(km)	Y(km)	Z(ft.)							
1. Jefferson County	529.9	4455.7	680.0	1	395.3	75.3	3.1	16.3	455	5.98
2. Tidd Power Company	529.9	4455.7	680.0	2	395.3	75.3	3.1	16.3	455	5.98
3. Ohio Power, AEP	529.9	4455.7	680.0	3	988.5	75.3	4.3	9.94	455	5.98

MODELING RESULTS

Note: modification to tabl

EQN #	DAY	HRS	LOCATION r(km)	LOCATION θ(°)	LOCATION z (ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)
1	326	1-24	1.8	80	925	1100	100	241.1	241.1	517.8	-----
2	77	16-18	0.8	120	925	4625.5	100	1125.4	1125.4	2274.7	-----
3	86	1-24	1.8	80	925	1086.4	100	228.7	228.7	529.0	-----
4	20	22-24	0.8	120	925	4639.8	100	1142.1	1142.1	2255.6	-----

Power Plant Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. O. (E. L.) (#/MMBTU)
1. Jefferson	533.5	4481.8	660	1	1459.19	198.12	4.57	22.46	441.0	4.79
2. Toronto										
3. Ohio Edison										

533<

MODELING RESULTS

Note: modification to table

DAY	HRS	LOCATION r(km)	θ(°)	z(ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)
3	1-24	5.	40	1240.	227.9	84	143.9	-----	-------	-----
123	13-15	2.0	290	1240	646.9	84	562.9			

524<

County / Power Plant / Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
1. Lake	463.0	4613.2	-	1	6.2	12.0	4.0	22.0	808	----- insufficient data to compute
2. East Lake	463.0	4613.2	-	2	891.4	91.4	4.8	11.7	401	5.49
3. CEI	463.0	4613.0	-	3	891.4	91.4	4.8	11.7	401	5.49
	463.0	4613.0	-	4	891.4	91.4	4.8	11.7	401	5.49
	463.0	4612.9	-	5	1553.0	91.2	5.5	12.3	386	5.49
	463.0	4612.9	-	6	4091.0	182.9	7.3	21.1	414	5.44

E25<

MODELING RE

Note: modi

to Table

DAY	HRS	LOCATION		X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{n1} (ug/m^3)	X_{n2} (ug/m^3)	X_{n3} (ug/m^3)	X_{n4} (ug/m^3)	X_{n5} (ug/m^3)	X_{n6} (ug/m^3)
26	1-24	463.86	4613.24	1018.6	1.776	2.124	207.8	207.8	207.8	278.6	112.7

536<

Power Plant Company	LOCATION			Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
	X(km)	Y(km)	Z(ft.)							
1. Lorain	412.2	4595.2	-	1	149	84.5	5.5	10.06	480	1.06
2. Avon Lake	412.2	4595.2	-	2	149	84.5	5.5	10.06	480	1.06
3. CEI	412.2	4595.2	-	3	149	84.5	5.5	10.06	480	1.06
	412.2	4595.2	-	4	149	84.5	5.5	10.06	480	1.06
	412.2	4595.2	-	5	630.2	90.0	4.0	13.0	403	4.86
	412.2	4595.2	-	6	630.2	90.0	4.0	13.0	403	4.86
	412.1	4595.2	-	7	1329.0	120.0	5.2	13.08	394	4.86
	412.0	4595.2	-	8	3601.0	183.0	7.3	20.73	414	4.86

537<

MODEL RESULTS

Note: modification to tabl.

DAY	HRS	LOCATION		X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1-s4} (ug/m^3)	X_{s5} (ug/m^3)	X_{s6} (ug/m^3)	X_{s7} (ug/m^3)	X_{s8} (ug/m^3)
28	1-24	413.46	4594.57	995.2	> 1	137.5 (total Stacks 1-4)	204.6	204.6	270.0	178.2

538<

...unty Power Plant Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
1. Lorain	400.60	4591.3	-	1	543.5	77.5	5.3	6.8	449	4.48
2. Edgewater	400.60	4591.3	-	2	635.9	85.4	3.2	18.3	414	4.48
3. CEI										

MODEL RESULTS

Note: modification to table

DAY	HRS	LOCATION		X Total (ug/m^3)	EG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)
28	1-24	401.57	4590.85	469.4	> 1	214.0	254.7	-----	-----

Power Plant Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
1. Lucas	290.5	4614.3	-	1	59.87	83.8	4.9	5.6	666.0	.999
2. Acme	290.5	4614.2	-	2	59.87	83.8	4.9	5.6	666.0	.999
3. Toledo Edison	290.5	4614.3	-	3	419.2	75.0	3.3	14.6	437.0	4.47
	290.5	4614.3	-	4	1286.00	90.9	6.7	12.7	480.0	4.5

MODEL RESULTS

Note: modification to tabl

DAY	HRS	LOCATION		X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)
318	1-24	294.11	4616.49	472.22	198.06	11.69	11.69	97.58	153.2
87	1-24	293.39	4616.54	674.37	487.96	8.863	8.863	78.2	90.48

Power Plant Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. O. (E. L.) (#/MMBTU)
1. Lucas	297.3	4618.1	-	1	454.1	76.2	3.7	17.6	403.0	3.02
2. Bayshore	297.3	4618.1	-	2	462.4	76.2	3.7	17.6	403.0	3.02
3. Toledo Edison	297.3	4618.1	-	3	463.3	76.2	3.7	17.6	403.0	3.02
	297.3	4618.1	-	4	708.4	76.2	4.3	19.4	409.0	3.02
	297.3	4618.1	-	5	12.30	7.9	3.4	22.8	549.0	.42

MODELING RESULTS

Note: modification to table

DAY	HRS	LOCATION		X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)	X_{s5} (ug/m^3)
111	1-24	295.25	4616.63	1640.1	1446.09	43.65	44.45	44.54	61.37	Included in Background

Power Plant Company	LOCATION			Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
	X(km)	Y(km)	Z(ft.)							
1. Lucas	289.1	4613.9	-	1	8.64	62.2	4.8	4.0	561	1.489
2. Water Street	289.1	4613.9	-	2	8.64	62.2	4.8	4.0	561	1.489
3. Toledo Edison	289.1	4613.9	-	3	13.9	62.2	4.8	4.0	561	2.396
	289.1	4613.9	-	4	13.9	62.2	4.8	4.0	561	2.396
	289.1	4613.9	-	5	8.64	62.2	4.8	4.0	561	1.489
	289.1	4613.9	-	6	49.43	65.2	4.1	3.6	474	2.39
	289.1	4613.9	-	7	49.43	65.2	4.1	3.6	474	2.39
	289.1	4613.9	-	8	30.10	60.4	4.1	1.7	447	2.39

MODEL RESULTS

Note: modification to table

DAY	HRS	LOCATION		X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{63} (ug/m^3)	X_{s1} (ug/m^3)	X_{s8} (ug/m^3)	X_s (ug/m^3)	
318	1-24	293.74	4616.59	603.87	540.13	12.54	12.54	8.66		

* Other stacks included in background. Concentration there is no breakdown of concentration by source for stacks 1 through 5.

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nty Power Plant Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
1. Montgomery	732.5	4387.8	-	1	207.0	76.2	4.2	16.0	426.0	1.4
2. Hutchings	732.5	4387.7	-	2	201.8	76.2	4.2	15.5	426.0	1.4
3. D. P. & L.	732.5	4387.7	-	3	201.8	76.2	4.2	15.5	426.0	1.4

DAY	HRS	LOCATION		MODEL RESULTS		Note: modification to table				
		X	Y	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{S1} (ug/m^3)	X_{S2} (ug/m^3)	X_{S3} (ug/m^3)	X_{S4} (ug/m^3)	
99A	1-24	733.37	4387.56	449	29	124.3	160	165	-	

*Based on TS_1 with impact at 1.60 lbs. SO_2/MMBTU

Power Plant / Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gm/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
1. Montgomery	739.0	4401.10	-	1	226.2	93.6	4.9	12.6	483.0	1.66
2. Tait	739.1	4401.1	-	2	226.2	93.6	4.9	12.6	483.0	1.66
3. D.P. & L.	739.1	4401.1	-	3	299.5	93.6	4.9	12.6	405.0	1.66
	739.1	4401.1	-	4	299.5	93.6	4.9	12.6	405.0	1.66

DAY	HRS	LOCATION X	LOCATION Y	MODEL RESULTS X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	Note: multiplication to table (ug/m^3)	X_S (ug/m^3)	X_S (ug/m^3)	X_S (ug/m^3)
99	1-24	740.05	4400.94	483.67	9.21	93.23	93.23	144.0	144.0

Utility Power Plant Company	LOCATION			Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
	X(km)	Y(km)	Z(ft.)							
1. Muskingum	422.600	4415.880	710	4	804.7	81.1	5.18	4.54	447	6.34
2. Philo	422.620	4415.840	710	5	804.7	81.1	3.96	7.74	447	6.34
3. Ohio Power, AEP	422.570	4415.940	710	6	654.5	81.1	2.56	29.30	428	6.24

MODELING RESULTS

Note: modification to table

EQN #	DAY	HRS	LOCATION r(km)	θ(°)	z(ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_s4 (ug/m^3)	X_s5 (ug/m^3)	X_s6 (ug/m^3)	X_s (ug/m^3)
1	99	1-24	1.3	110	970	1565.1	78	598.3	600.7	288.1	
2	283	1-24	1.3	110	970	1670.1	78	652.8	656.0	283.3	
3	365	19-21	1.5	120	955	4615.5	78	1732.1	1735.8	1069.6	
4	349	19-21	1.5	120	955	4620.3	78	1780.2	1785.6	976.5	

552<

...nty Power Plant Company	LOCATION			Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. L.) (#/MMBTU)
	X(km)	Y(km)	Z(ft.)							
1. Pickaway	327.8	4406.5	680	3	435.8	38.7	2.44	17.74	440	7.98
2. Picway	327.8	4406.5	680	4	433.7	38.7	2.44	17.74	440	8.00
3. Columbus & Southern Ohio	327.8	4406.5	680	5	1040.2	87.8	2.44	14.77	413	7.99

MODELING RESULTS

Note: modified to Table

EQN #	DAY	HRS	LOCATION: r(km)	θ(°)	z(ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)	X_{s5} (ug/m^3)	X_s (ug/m^3)
1	140	1-24	2.2	90°	710	597.6	118	166.7	165.9	147.0	
2	71	22-24	5.9	240	800	1712.0	118	590.1	587.2	416.7	
3	82	1-24	1.6	180	710	527.9	118	113.0	112.5	184.4	
4	181	13-15	0.7	250	710	1912	118	381.8	380.0	1032.2	

County / Power Plant / Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. O. (E. L.) (#/MMBTU)
1. Summit	456.6	4548.5	-	1	103.4	53.3	3.1	5.0	552.0	4.18
2. Beech Street	456.6	4548.5	-	2	149.8	53.3	3.1	5.0	514.0	4.18
3. Ohio Edison	456.6	4548.5	-	3	130.9	53.3	3.1	5.0	477.0	4.19

555<

MODEL RESULTS

Note: modification to table

DAY	HRS	LOCATION		X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	(ug/m^3)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	
270	1-24	456.75	4549.01	703	219	-	215	203	-	

...nty Power Plant Company	LOCATION			Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. O. (E. L.) (#/MMBTU)
	X(km)	Y(km)	Z(ft.)							
1. Summit	458.8	4551.8	-	1	436.3	83.8	3.4	11.2	467	5.07
2. Gorge	458.8	4551.8	-	2	436.3	83.8	3.4	11.2	446	5.07
3. Ohio Edison										

HC[illegible]HC RESULTS

Note: modification to table

DAY	HRS	LOCATION		X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{S1} (ug/m^3)	X_{S2} (ug/m^3)	X_{S3} (ug/m^3)	X_{S4} (ug/m^3)
270	1-24	459.5	4552.6	637.5	162.5	232	243		

County / Power Plant / Company	LOCATION			Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. Q. (E. I.) (#/MBTU)
	X(km)	Y(km)	Z(ft.)							
1. Trumbull	520.9	4557.6	875	1	764.62	91.4	3.69	17.71	405.0	4.94
2. Niles	520.9	4557.6	875	2	764.62	91.4	3.69	17.71	405.0	4.94
3. Ohio Edison										

HOURLY RESULTS

Note: modified location to tabl...

DAY	HRS	LOCATION r(km)	θ(°)	z(ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)
39	1-24	6	70	1080	340.2	84	128.1	128.1	------	------
320	13-15	2.0	20	990	877.8	84	396.9	396.9		

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County / Power Plant / Company	LOCATION X(km)	Y(km)	Z(ft.)	Stack #	Q (gms/sec)	H (m)	D (m)	V (m/sec)	T (oK)	S. O. (E. L.) (#/MMBTU)
1. Washington/Morgan	441.6	4382.3	640	1	9401.6	252.4	7.62	34.47	430	9.23
2. Muskingum River	441.6	4382.3	640	2	6114	252.4	6.71	23.16	425	9.22
3. Ohio Power										

MODEL RESULTS

Note: modification to table

DAY	HRS	LOCATION r(km)	LOCATION θ(°)	LOCATION z(ft.)	X Total (ug/m^3)	BG. (ug/m^3) (X of other sources)	X_{s1} (ug/m^3)	X_{s2} (ug/m^3)	X_{s3} (ug/m^3)	X_{s4} (ug/m^3)
218	1-24	1.3	240	800	222.6	28	113.4	91.2	----	-----
204	1-24	1.3	240	800	256.0	28	94.0	134.0	----	-----
218	13-15	1.3	240	800	1921.0	28	907.3	729.7	----	-----
204	13-15	1.3	240	800	1837.0	28	1057.4	751.6	----	-----

APPENDIX B

PUBLIC COMMENT AND EXHIBIT LISTS

PUBLIC COMMENTS RECEIVED - OHIO SO_2 PROPOSAL

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
1	Standard Oil Company R.E. Farrell 12/11/75	2	Cincinnati Division of Air Pollution Control Gene Ermenc 12/18/75
3	Regional Air Pollution Control Agency, Dayton Ohio William Auberle 12/18/75	4	Tri-State Air Committee Dr. Max Meuefee 12/18/75
5	Du Pont Co. Warren Brint 12/18/75 See also PC#54	6	City of Hamilton - Dept. of Public Utilities John C. Engle 12/18/75
7	Champion International Richard Wigger 12/18/75	8	Industrial Gas Cleaning Institute Sidney R. Orem 12/18/75
9	Cincinnati Gas & Electric Company Earl A. Borgmann 12/18/75	10	Ohio League of Conservation Voters Deborah Taylor 12/18/75
11	Kentucky - Department of National Resources, Division of Air Pollution Control John T. Smidier 11/11/75	12	The Hoover Company Marshall J. Johns 12/23/75
13	B.F. Goodrich Co Roger W. Strassburg 10/13/75 & 11/28/75 See PC#46	14	Canton - Air Pollution Control Division Gary Ewing 12/19/75

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PUBLIC COMMENTS RECEIVED - OHIO SO PROPOSAL
(Continued) 2

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
15	North Ohio Valley Air Authority Pat J. Deluca 12/23/75	16	Void due to duplication
17	City of Painesville Joseph Pandy Jr. 1/6/76	18	Firestone Tire & Rubber Co. 12/19/75 J.R. Kessler
19	Canton Chamber of Commerce A.N. Prentice 12/18/75	20	Uniroyal Inc. Robert Niles 1/6/76
21	Mead Corp. Russel E. Kross 12/2/75	22	Tim Gaffney 1110 Lake Street Piqua Ohio 45356 12/26/75
23	Article - The Cleveland Press 12/30/75	24	Suzanne Miller 3142 Yorkshire Rd. Cleveland Hgts. Ohio 44118 1/2/76
25	Ohio Velly Environmental Council James L. Slater 1/8/76	26	Ohio Valley Env. Council James L. Slater 1/8/76
27	New Manchester Anti-Pollution Committee John Welch P.O.Box 83 New Manchester W. Virginia 26056 1/6/76	28	W. Virgina Air Pollution Control Committee Stephen Smallwood 1911 Warwood Ave. Wheeling W. Virg. 26003 1/8/76
29	Northern Ohio Valley Air Authority 314 Adams St. Steubenville, Ohio Pat J. Deluca	30	Buckeye Power Inc. Robert Mone 1/8/76

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PUBLIC COMMENTS RECEIVED - CHIO SC PROPOSAL
(Continued) 2

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
31	Horticulture Teacher Cleveland Public Schools Leslie Beamish 12/24/75	32	Ohio - 23rd District Congressman Ronald M. Mottl 1/6/76
33	City Council Kathleen L. Barber Shakes Heights, Ohio 1/6/76	34	League of Women Voters Kathy Albury Willoughby, Ohio 1/6/76
35	Youngstown Sheet & Tube T.M. Hendrickson 1/6/76	36	Hariet Parsons 37558 Erie Rd. Willoughby, Ohio 1/6/76
37	Park Conservation Commission Catherine Fuller 1970 Denton Dr. Cleve, Oh. 44106 1/5/76	38	Northern Ohio Lung Association Patricia Smith 4614 Prospect Ave. Cleveland, Ohio 1/5/76 See Ex#11-15
39	Diamond Shamrock Chemical Co. Ralph H. Parsons P.O.Box 430, Painesville Ohio 44077 12/30/75	40	Peabody Engineering Systems Howard P. Willett 1/6/76
41	Ohio Audubon Council Dr. Owen Davies 1/6./76	42	Cleveland Dept of Public Health & Welfare Division of Air Pollution Control 1/6/76

PUBLIC COMMENTS RECEIVED - OHIO SO_2 PROPOSAL
(Continued)

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
43	Uniroyal - Chem. Div. William W. Falsgraf Painsville, Ohio	44	American Electric Power Co. of Ohio Power Co. A. Joseph Dowd 1/8/76
45	League of Women Voters of Avon Lake Lillion McPherson 1/6/76	46	B.F. Goodrich Co. Revision to PC#13 Roger W. Strassburg 1/6/76
47	League of Women Voters Judith Fink Cuyahoga, Ohio 1/6/75	48	Western Reserve Economic Development Agency Jeffrey Brown 1/6/76
49	Southwest Civic Association Alexander Lorman 1/6/76	50	Coalition for Safe Electric Power Evelyn Stebbins 312 Park Bldg. 140 Public Square Cleve, Oh. 44116 1/6/76
51	Citizens for Clean Air & Water Genevieves S. Cook Cleveland, Ohio 1/6/75	52	Sierra Club Ellen Knox 1/6/75
53	State of Indiana Department of Air Pollution Control Division Ralph C. Pickard 12/29/75	54	E.I. Du Pont Warren F. Brint Fort Hill Plant North Bend 1/5/75 See also PC#5
55	Youngstown Area Chamber of Commerce	56	United Mine Workers of America

PUBLIC COMMENTS RECEIVED - OHIO SO_2 PROPOSAL
(Continued)

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
	Weston O. Johnstone 1/6/75		
57	41st House District in the Ohio General Assembly Kenneth R Cox	58	Ohio EPA See Ex#16
59	Womens Club of Stenbenville 317 Woodtown Rd. Sterbenville, Ohio 43452	60	USEPA Region IV Air and Hazards Materials Division Asa B. Foster 1/2/76
61	Regional Air Pollu- tion Control Agency William M. Auberle Dayton, Ohio 45402 1/29/76	62	Chester L. Brooks 106 S Tommy Street North Canton, Ohio 44720 1/8/76
63	Ohio Mfg. Association James O. Seymour 1/13/76	64	Toledo Pollution Control Agency Paul D. Findlay 1/13/76
65	Union Carbide Corp. C.R. Allenback 1/9/76	66	League of Women Voters Melodee Korhacker 1/13/76
67	Shell Oil Co. A.O. Rockswold 1/13/76	68	Ohio Lung Association David G. Gillespie 1/13/76
69	Natural Resources Defence Council, Inc. Richard E. Ayres 1/13/76	70	Industrial Gas Cleaning Institute Sidney R. Orem 1/13/76
71	Steven J. Mareus, PhD 11 Everett Street	72	Regional Air Pollution Control

PUBLIC COMMENTS RECEIVED - OHIO SO_2 PROPOSAL
(Continued)

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
	Cambridge, Mass 02138 1/13/76		Agency Norman F. Keckler 1/13/76
73	Environmental Research & Action - Columbus Ohio Von Hill 1/13/76	74	Orville Municipal Utilities Rays Williams 1/13/76
75	Columbus & Southern Ohio Electric Co. Fred V. Steine 1/13/76	76	Ohio Mining & Reclamation Assn. Neal S. Tostenson 1/13/76
77	PPG - Barberton Plant Chemical Division John Lambillotte 1/13/76	78	Union Camp V. P. Beonosian 1/13/76
79	Union Camp, Inc. By Environment Research & Technology Dr. Brian L. Murphy 1/13/76	80	Miami Valley Lung Assn. Reed Watkins 1/13/76
81	Mead Corp. - Chillicothe Mills Booker P. Bunch 1/13/76	82	Allied Chemical Co. James E. Cooper 1/13/76
83	Gary Peters, Columbus, Ohio 1/13/76	84	Enviroplan, Inc. Howard Ellis 1/22/76
85	Toledo Edison Co. Lowell E. Roe 1/13/76	86	Armco Steel Corporation Bruce D. Steiner 1/13/76
87	Republic Steel	88	Dayton Power &

PUBLIC COMMENTS RECEIVED - OHIO SO_2 PROPOSAL
(Continued)

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
	Corporation Glen A. Johnson 1/13/76		Light Co. Howard R. Palmer 1/13/76
89	Ohio Edison Co. James Carroll 1/13/76	90	Campbell Soup Co. Frank Dubyne 1/13/76
91	Phillips Petroleum Co. B. F. Ballard 1/13/76	92	Standard Oil Co. (Sohio) Robert Farrell 1/13/76
93	Sun Oil Co. Edward Mohler 1/13/76	94	Morton Salt Co. Charles Nichols 1/14/76
95	Packaging Corp. of America Franklyn D. Haynes 1/13/76	96	Goodyear Tire & Rubber Co. F. V. Prus 1/13/76
97	Ashland Oil Ron Willenbrink 1/13/76	98	Energy & Environmental Coal Council of Ohio John Dragos 1/13/76
99	Ohio Greenhouse Assn. Belden Brick Co. Detroit Steel Federal Paper Ohio Brass	100	Union Carbide Corp. Steve Dorr 1/13/76
101	White-Westinghouse Corp. Daniel L. Dickerson 1/14/76	102	Ohio Chapter of the Sierra Club Richard D. Tybout 1/14/76
103	Orrville Mun. Utilities Orville Ohio 44667 1/8/76	104	U.S. Environmental Protection Agency Administrator Russell Train Memorandum to all Regional Administrators 12/18/75

PUBLIC COMMENTS RECEIVED - OHIO SO_2 PROPOSAL
(Continued)

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
105	Gladys G. MacKay 3614 Fenley Rd. Cleveland Heights Ohio 44121 1/6/76	106	Borden, Inc. Harvey A. Rosenzweig 180 E. Broad St. Columbus Ohio 43215 1/6/76
107	American Cyanamid J. H. Rook Wayne New Jersey 07470 1/12/76	108	Diamond Shamrock Chem. Co. P.O. Box 430 Painerville Ohio 44077 1/9/76
109	Ellen & Jerry Burnell 2311 Belvoir Blvd. University Heights Ohio 44118 1/7/76	110	USEPA Office of Air Quality Plan & Standards Guidance # 3.0-003 1/6/76
111	Charles Peter Pluto 3986 W. 157 Street Cleveland Ohio 44111 1/14/76	112	Joyce D. Bourke 12936 Falling Water Strongsville Ohio 44136 1/15/76
113	Arthur U. N. Brooks State Representative From Cuyahoga County Ohio House 2385 Kenilworth Cleveland Ohio 1/14/76	114	Void
115	Eleonore T. Fry Willowick Ohio 44094 1/12/76	116	Mrs. Dan B. Billington 9181 Milford Drive Northfield Ohio 44007 1/6/76

PUBLIC COMMENTS RECEIVED - OHIO SO_2 PROPOSAL
(Continued)

Public Comment Numoer	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
117	Mrs. Thomas P. Switt 16203 Luiclke Ave. Cleveland Ohio 44111 1/6/76	118	R. E. Loewe 4046 Ellison Rd. South Euclid 21, Ohio 1/5/76
119	The Medical Center Co. James W. Kirchner 2250 Circle Drive Cleveland Ohio 1/15/76	120	Greater Canton Cham- of Commerce 229 Wells Ave. N.W. Canton Ohio 44703 1/13/76
121	Western Reserve Economic Development Agency Jeffrey Brown Youngston 1/15/76	122	Central Soya R. Sheldon Light Fort Wayne Indiana 1/14/76
123	Diamond Shamrock Chem. Co. Edward Weinberg 1/16/76	124	Ms. Marilyn Lucko 7755 E. Linden Lane Parmo Ohio 44130 1/12/76
125	The New Jersey Zinc Co. Fred Mohrmann 1/13/76	126	Jennie Rehard 1300 D Superior Ave. Cleveland Ohio 44114 1/10/76
127	Ohio Valley Environ- ment Council, Inc. Ms. Margret Rowe 1/15/76	128	Lakewood League of Women Voters Barbara Ebright 1/13/76
129	Anna Speck 3336 Ormond Rd. Cleveland Heights Ohio 44118 1/13/76	130	Ms. Judith Smith 499 E. 147th St. Cleveland Ohio 44110 1/6/76

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PUBLIC COMMENTS RECEIVED - OHIO SO_2 PROPOSAL
(Continued)

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
131	Broadway Christian Church 5920 Encole Cleveland Ohio 44106 1/6/76	132	Rose Mary Prosen 2577 Overlook Rd. NW Cleveland Ohio 44127 1/5/76
133	Ms. Harret Polk 27030 Cedar Rd. Beailwood Ohio 44122 1/5/76	134	Ms. Ann Kotts 14306 Detroit Ave. Lakewood Ohio 1/5/76
135	Russell R. Ruthenberg 1739 Ridgeview Drive Wieklife Ohio 44092 1/6/76	136	William Schuman 3343 Aberdeen Rd. Shaker Heights Ohio 44120 1/6/76
137	League of Women Voters of Northern Portage Co. Ms. Lois Kylin 2695 State Route #82 Aurora Onio 44202 1/6/76	138	John E. Michaels Phd. 6757 Rollaway Rd. Cincinnati Ohio 45236 12/16/75
139	Ohio Education Association James D. Beisner 225 E. Broad Street Columbus Ohio 43215 12/24/75	140	Cleveland Public School Leslie Beamish 12/24/75
141	Helen Martin 15701 Fernway Road Shaker Hts. Ohio 4420 1/7/76	142	St. John Medical Center Geary M. Eicher, MD 1/8/76
143	Ian Gordon	144	Edward F. Cirk

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PUBLIC COMMENTS RECEIVED - OHIO SC_2 PROPOSAL
(Continued)

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
	1700 E 13th Ave. Cleveland Ohio 44114 1/12/76		1207 Marlowe Ave. Lakewood Ohio 1/9/76
145	Jo Anne Koch 529 Woodlane Bay Village Ohio 44140 1/10/76	146	John Cold 1453 Marlowe Ave. Lakewood Ohio 44107 1/10/76
147	Rosemare Sheld 1453 Marlowe Ave. Lakewood Ohio 44107 1/8/76	148	Emile George 21690 Hilliand Rd. Rorby Ohio 44116 1/10/76
149	Lucille Laing 377 Lake Park Drive Bay Village Ohio 44140 1/10/76	150	New Manchester Anti-Pollution Committee John J. Welch RFD #I New Cumberland West Virginia 26047 1/20/76
151	David Koch 529 Woodland Bay Village Ohio 44140 1/10/76	152	A. R. Laing 337 Lake Park Dr. Bay Village Ohio 44140 1/10/76
153	Void due to duplication	154	Firestone Tire & Rubber Co. J. Robert Kessler 12/19/75
155	Diamond Crystal Salt Co. R. L. Griffiths 2065 Manchester Rd. P.O. Box 149 Akron, Ohio 1/5/76	156	Karl Myers 507 Woodland Ave. Steubenville Ohio 43952 1/15/76

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PUBLIC COMMENTS RECEIVED - CHIO SO_2 PROPOSAL
(Continued)

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
157	Morton Salt Co. By Squire, Sanders & Dempsey 1/21/76	158	Austin Power Co. By Squire, Sanders & Dempsey 1/22/76
159	Virginia Havens 2555 Coventry Rd. Shaker Heights Ohio 44120 1/16/76	160	Void due to duplication
161	Ohio Waste Watchers John Frederick, Jr. P.O. Box 121 Columbus Ohio 43216 1/21/76	162	The Junior League of Cleveland 1228 Euclid Ave. Cleveland Ohio 44115 1/18/76
163	Mrs. Lambert McCauley 23780 Hartland Ave. Euclid Ohio 44123 1/21/76	164	Allied Chemical Co. J. M. DeVoe P.O. Box 11397 Morristown New Jersey 07960 1/21/76
165	Howard J. Scott, P.E. 1213 Locust Drive Astabuld Ohio 44004 1/16/76	166	College of Steubenville Am. Chemical Soc. Student Affiliates 1/19/76
167	Ohio Power Co. Frank Bien 1/23/76	168	Void
169	Federal Energy Administration William Peterson 1/23/76	170	Consumers League of Ohio Ms. Dorothy Teare 1/19/76

PUBLIC COMMENTS RECEIVED - OHIO SO_2 PROPOSAL
(Continued)

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
171	Ms. Ellen M. Knox 3141 Huntington Rd. Shaker Heights Ohio 1/22/76	172	League of Womens Voters of Cuyahoga County Ms. Judy Fink 158 Euclid Ave. 7th Floor Cleveland Ohio 44116 1/21/76
173	Central Ohio Lung Assn. Kenneth Pearlmen 185 S. Fifth Street Columbus Ohio 43215 1/21/76 Ohio 43215 1/21/76	174	Energy & Environmental Coal Council of Ohio Mr. John Dragos Cleveland Ohio 44116 1/22/76 P.O. Box 16086 Cleveland Ohio 44116 1/22/76
175	Ms. J. L. Hanna 2205 Edgecliff Dr. Euclid Ohio 44113 1/21/76	176	U. S. Steel Corp. R. Dworek 1/23/76
177	Smucker's Company Robert R. Morrison 1/20/76	178	Owens-Illinois H. Neal Troy 1/19/76
179	Cleveland Clinic E. M. Cordasco M.D.F.C.C.P.F.A.C.P. 1/19/76	180	W. Virginia Citizens Action Group Ed Light 1/22/76
181	Asland Oil Co. Inc.	182	Timken Co.

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PUBLIC COMMENTS RECEIVED - OHIO SO_2 PROPOSAL
(Continued)

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
	R. V. Willenbrink 1/20/76		J. E. Lieser 1/21/76
183	Republic Steel Corp. Mr. Glen Johnson Cleveland Ohio 1/22/76	184	Ohio Lung Assn. Air Conservation Commission Pat Smith & Dr. Gillespie 1/22/76
185	Buckeye Power Inc. Robert P. Mone 1/21/76	186	EnviroPlan Howard Ellis 1/22/76
187	Ohio Edison Co. James Carroll 1/22/76	188	Ohio EPA - City of Canton Air Pollution Control Division Gary Ewing 1/21/76
189	Phillips Petroleum Co. B. F. Ballard 1/23/76	190	General Electric Co. D. W. Magee 1/21/76
191	B. F. Goodrich Co. Dr. Strassburg 1/23/76	192	General Motors N. C. Kachman 1/21/76
193	Sara M. Roche 1196 Dellwood Drive Westlake Ohio 44145 1/22/76	194	Orville Municipal Utility Robert Nichols 1/23/76
195	Ford Motor Co. Victor H. Sussman 1/19/76	196	Ohio Chamber of Commerce Donald W. Von Toyl 17 South High Street Columbus Ohio 43215 1/22/76
197	Gulf Oil Company -U.S.	198	Void due to duplication

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PUBLIC COMMENTS RECEIVED - OHIO SO_2 PROPOSAL
(Continued)

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
	R. F. Fischel 12/18/76		
199	State Senator A. L. Susman Senate of West Virginia 1/22/76	200	Miami Valley Enviro-mental Coalition Marian Simons P.O. Box 142 Dayton Chio 45402 1/23/76
201	Columbus Products Company D. L. Dickerson 300 Phillipi Road Box 28188 Columbus Ohio 43228 1/21/76	202	League of Women Voters of Cleveland Heights - University Hts. Ann Marie Kenton 1836 Wilton Rd. Cleveland Heights Ohio 44118 1/29/76
203	Interlake, Inc. William P. Porcelli 1/22/76	204	Kitty Hamper Stuart House # 201 14419 Triskett Rd. Cleveland Ohio 44111 1/5/76
205	Amalie Cracker	206	Willma George 21690 Hilliard Blvd. Rocky River Ohio 44116 1/12/76
207	D. M. Ryan 115 Walnut Ave. St. Clairsville Ohio 43950	208	Ruth G. Isley 125 E. 156th St. Cleveland Ohio 44110
209	Urban League of of Cleveland 2060 Euclid Ave. C. Bruce Melville	210	Senator Robert Taft, Jr. United States Senate 1/28/76

PUBLIC COMMENTS RECEIVED - OHIO SO_2 PROPOSAL
(Continued)

Public Comment Number	Company and/or Individual Submitting Comment	Public Comment Number	Company and/or Individual Submitting Comment
	Cleveland Ohio 44115 1/27/76		
211	Dayton Power and Light Co. H. R. Palmer 1/13/76	212	Toledo Pollution Control Agency Co. Paul F. Munn 26 Main St. Toledo Ohio 43605 4/21/76
213	Foster Assoc. USEPA 4/23/76		

EXHIBIT LOG - OHIO SO_2 PROPOSAL

Exhibit Number	Exhibit
1-7	Cincinati Gas & Electric Co. I-VII (see 283-289 for VIII - XIII)
8	Uniroyal/USCO by Fuel Engineering Corp. or New York
9	Cleveland Metro Parks by O. Dale Granm
10	RAPCA-DAYTON by William Auberle
11-15	Northern Ohio Lung Assn.
16	OEPA
17	UNIROYAL
18	Diamond Shamrock Chemical Co.
19	PPG Industries by Polter, Stanley, Platt & Arthur & EnviroPlan
20	Sun Oil Corp. by Edward F. Mohler
21	Akron Regional Air Pollution Control Agency by Norm Keckler
22	US Gypsum Corp. by Michael Helton
23	Wilpotte Corp. by Walter Carbone
24	Phillip Hodok - Photograph of Sikes Plant

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EXHIBIT LOG - OHIO SO_2 PROPOSAL
(Continued)

Exhibit Number	Exhibit
25	General Motors Corp.
26	Industrial Gas Cleaning Institute, Inc. by The NAM of IAPCE
27	Packaging Corp. of America and Morton Salt Co. by Enviromental Research & Technology
28	Mead Corp. by R. E. Kross (1-3)
29-34	Columbus & Southern Ohio Electric Co. (1-6)
35-36	Dayton Power & Light by S. F. Kozier and EnviroPlan
37	Union Camp Corporation by EnvironmentalResearch & Technology
38	Ohio Green House Assn. by Vorys, Sater & Seymour (A thru N)
39-48	Ohio Power Company by Frank Bien
49-281	Ohio Utility Group by Fuller, Henry, Hodge & Snyder
282	Ohio Valley Electric Co.
283-289	Cincinnati Gas & Electric Co. (Supplemental) VIII - XIII

EXHIBIT LOG - OHIO SO_2 PROPOSAL
(Continued)

Exhibit Number	Exhibit
290-295	Cleveland Electric & Illuminating Co.
296-299	Packaging Corp of America by Millisor & Nobil & William Rice
300-307	Ohio Lung Association by E. M. Cordasco
308-312	Buckeye Power Co. by Robert P. Mone
313-314	Toledo Edison by Fuller, Henry, Hodge & Snyder
315-361	Ohio Edison Co. by Charles Runyon & James Carrol (1-7)
362-363	Onio Utility Group - Supplemental Comments by Fuller, Henry, Hodge & Snyder
364	Cleveland Metroparks System by O. Dale Granm
365-367	Chester L. Brooks
368	Dayton Power & Light Co. by Howard R. Palmer V.P. Enviro Management (a thru m)
369	Ohio Utility Group - Supplemental Comments on FPC report by Fuller, Henry, Hodge & Snyder
370	Republic Steel Corp. - Supplemental Comments by Glen A. Johnson, Dir. of Enviro. Control

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EXHIBIT LOG - OHIO SO_2 PROPOSAL
(Continued)

Exhibit Number	Exhibit
371-372	Cincinnati Gas & Electric Beckjord and Miami Fort Plants by EnviroPlan

APPENDIX C - GROWTH PROJECTIONS

Standard Industrial Classification Code

Population Projections

Industrial Projections

APPENDIX C

Reproduced from best available copy.

Major Group 20.—FOOD AND KINDRED PRODUCTS

The Major Group as a Whole

This major group includes establishments manufacturing foods and beverages for human consumption, and certain related products, such as manufactured ice, chewing gum, vegetable and animal fats and oils, and prepared feeds for animals and fowls.

Group No. 201 — MEAT PRODUCTS

Industry No. 2011 — Meat Packing Plants

Establishments primarily engaged in the slaughtering, for their own account or on a contract basis for the trade, of cattle, hogs, sheep, lambs, calves, horses and other animals except small game, for meat to be sold or to be used on the same premises in canning and curing, and in making sausage, lard, and other products. Establishments primarily engaged in manufacturing sausages and meat specialties from purchased meats are classified in Industry 2013; and establishments primarily engaged in killing, dressing, packing, and canning poultry, rabbits and other small game in Industry 2015.

Abattoirs, on own account or for the trade
Beef, produced in meat packing establishments
Blood meal
Feed, prepared: from horses slaughtered in the same establishment
Hides, cured or uncured: product of slaughtering operations
Lamb, produced in meat packing establishments
Lard, made in meat packing establishments
Meat: canned, cooked, cured, dressed, fresh, frozen, smoked, spiced, and boneless—made in meat packing establishments
Meat extracts, made in meat packing plants
Meat meal
Meat packing plants
Mutton, produced in meat packing establishments
Pork, produced in meat packing establishments
Sausages, made in meat packing establishments
Slaughtering of horses for animal food, including the canning of horse meat
Slaughtering plants: cattle, hogs, sheep, etc.
Veal, produced in meat packing establishments

Industry No. 2013 — Sausages and Other Prepared Meat Products

Establishments primarily engaged in manufacturing sausages, cured meats, smoked meats, canned meats, frozen meats, and other prepared meats and meat specialties, from purchased carcasses and other materials. Sausage kitchens and other prepared meat plants operated by packing houses as separate establishments also are included in this industry. Establishments primarily engaged in killing, dressing, and packing poultry, rabbits, and other small game, and those canning poultry are classified in Industry 2015. Establishments primarily engaged in the cutting up and resale of purchased fresh carcasses are classified in trade industries.

Bacon, side and sliced: not made in slaughtering plants
Beef, dried: not made in slaughtering plants
Bologna, not made in slaughtering plants
Boneless meat, not made in meat slaughtering plants
Calf's foot jelly
Canned meats and meat products, not made in slaughtering plants
Casings, sausage: natural
Corned beef
Cured meats: brined, corned, dried, salted, and smoked—not made in slaughtering plants
Frankfurters, canned or not canned: not made in slaughtering plants
Ham: boiled, boneless, roasted, and smoked—not made in slaughtering plants
Ham, canned
Head cheese, not made in slaughtering plants
Lard, not made in slaughtering plants
Luncheon meat, canned
Meat and meat products: canned, cooked, cured, frozen, smoked, spiced, and boneless—not made in slaughtering plants
Meat extracts, not made in meat packing plants
Pastrami, not made in slaughtering plants
Pigs' feet, cooked and pickled: not made in slaughtering plants

Major Group 26.—PAPER AND ALLIED PRODUCTS

The Major Group as a Whole

This major group includes the manufacture of pulps from wood and other cellulose fibers, and rags; the manufacture of paper and paperboard; and the manufacture of paper and paperboard into converted products such as paper coated off the paper machine, paper bags, paper boxes, and envelopes. Certain types of converted paper products are classified elsewhere, such as abrasive paper in Industry 3291, carbon paper in Industry 3955, and photosensitized and blueprint paper in Industry 3861.

Group No.	Industry No.	
261		PULP MILLS
	2611	Pulp Mills

Establishments primarily engaged in manufacturing pulp from wood or from other materials such as rags, linters, waste paper, and straw. Logging camps operated by pulp mills, and not separately reported, are also included in this industry. Establishments primarily engaged in cutting pulpwood are classified in Industry 2411; and pulp mills combined with paper mills or paperboard mills, and not separately reported, are classified with the latter in Industries 2621 and 2631, respectively.

Fiber pulp: made from wood, rags, waste paper, linters, straw, and bagasse
Pulp mills
Pulp: soda, sulfate, sulfite, ground wood, rayon, and semichemical
Wood pulp

262		PAPER MILLS, EXCEPT BUILDING PAPER MILLS
	2621	Paper Mills, Except Building Paper Mills

Establishments primarily engaged in manufacturing paper (except building paper-Industry 2661) from wood pulp and other fibers, and which may also manufacture converted paper products. Pulp mills combined with paper mills, and not separately reported, are also included in this industry; where separately reported, they are classified in Industry 2611. Establishments primarily engaged in manufacturing converted paper products from purchased paper stock are classified in Groups 264 or 265.

Bag paper, made in paper mills
Bristol board, made in paper mills
Capacitor paper, made in paper mills
Cleansing tissue stock
Condensor paper, made in paper mills
Facial tissue stock, made in paper mills
Glassine wrapping paper, made in paper mills
Greaseproof wrapping paper, made in paper mills
Ground wood paper
Hanging paper (wallpaper stock), made in paper mills
Kraft wrapping paper, made in paper mills
Lining paper, made in paper mills
Manila wrapping paper, made in paper mills
Milk filter disks, made in paper mill
Napkin stock, paper
News tablet paper, made in paper mills
Paper, except building paper: absorbent, blotting, bond, book, catalog, cigarette, cover, filter, lithograph, matrix, offset, tissue, wrapping, etc.—made in paper mills
Paper mills, except building paper mills
Parchment paper
Poster paper, made in paper mills
Printing paper
Rope and jute wrapping paper, made in paper mills
Rotogravure paper
Shipping sack paper, made in paper mills
Tarboard, made in paper mills
Test paper
Thin paper, made in paper mills
Toilet tissue stock
Toweling paper, made in paper mills
Writing paper, made in paper mills

Major Group 27.—PRINTING, PUBLISHING, AND ALLIED INDUSTRIES

The Major Group as a Whole

This major group includes establishments engaged in printing by one or more of the common processes, such as letterpress, lithography, gravure, or screen; and those establishments which perform services for the printing trade, such as bookbinding, typesetting, engraving, photoengraving, and electrotyping. This major group also includes establishments engaged in publishing newspapers, books, and periodicals, regardless of whether or not they do their own printing. News syndicates are classified in Service Industries, (Industry 7351), and textile printing and finishing in Major Group 22.

Group No. | Industry No.

271 NEWSPAPERS: PUBLISHING, PUBLISHING AND PRINTING

2711 Newspapers: Publishing, Publishing and Printing

Establishments primarily engaged in publishing newspapers, or in publishing and printing newspapers. These establishments carry on the various operations necessary for issuing newspapers, including the gathering of news and the preparation of editorials and advertisements, but may or may not perform their own printing. Commercial printing is frequently carried on by establishments engaged in publishing and printing newspapers, but, even though the commercial printing may be of major importance, such establishments are included in this industry. Establishments not engaged in publishing newspapers, but which print or lithograph newspapers for publishers, are classified in Industry 2751 or Industry 2752. News syndicates are classified in Service Industries (Industry 7351).

Commercial printing and newspaper publishing combined
Job printing and newspaper publishing combined
Newspaper branch offices, editorial and advertising
Newspapers: publishing and printing, or publishing only (with or without commercial printing)

272 PERIODICALS: PUBLISHING, PUBLISHING AND PRINTING

2721 Periodicals: Publishing, Publishing and Printing

Establishments primarily engaged in publishing periodicals, or in preparing, publishing, and printing periodicals. These establishments carry on the various operations necessary for issuing periodicals, but may or may not perform their own printing. Establishments not engaged in publishing periodicals, but which print or lithograph periodicals for publishers, are classified in Industry 2751 or Industry 2752.

Comic books: publishing and printing, or publishing only
Magazines: publishing and printing, or publishing only
Periodicals: publishing and printing, or publishing only
Statistical reports (periodicals), publishing of
Trade journals, publishing of

273 BOOKS

2731 Books: Publishing, Publishing and Printing

Establishments primarily engaged in publishing only, or in publishing and printing books and pamphlets. Establishments primarily engaged in printing or in printing and binding (but not publishing) books and pamphlets are classified in Industry 2732.

Book clubs, publishing
Books: publishing and printing, or publishing only
Pamphlets: publishing and printing, or publishing only

Major Group 28.—CHEMICALS AND ALLIED PRODUCTS

The Major Group as a Whole

This major group includes establishments producing basic chemicals, and establishments manufacturing products by predominantly chemical processes. Establishments classified in this major group manufacture three general classes of products: (1) basic chemicals such as acids, alkalies, salts, and organic chemicals; (2) chemical products to be used in further manufacture such as synthetic fibers, plastics materials, dry colors, and pigments; (3) finished chemical products to be used for ultimate consumption such as drugs, cosmetics, and soaps; or to be used as materials or supplies in other industries such as paints, fertilizers, and explosives. The mining of natural rock salt is classified in mining industries. Establishments primarily engaged in manufacturing nonferrous metals and high percentage ferroalloys are classified in Major Group 33; silicon carbide in Major Group 32; baking powder, other leavening compounds, and starches in Major Group 20; and embalming fluids and artists' colors in Major Group 30. Establishments primarily engaged in packaging, repackaging, and bottling of purchased chemical products, but not engaged in manufacturing chemicals and allied products, are classified in trade industries.

Group No. | Industry No.

281 INDUSTRIAL INORGANIC AND ORGANIC CHEMICALS

This group includes establishments primarily engaged in manufacturing basic industrial inorganic and organic chemicals. Establishments primarily engaged in manufacturing formulated agricultural pesticides are classified in Industry 2879; organic and inorganic medicinal chemicals, drugs and medicines in Industry 2833; wood distillation products and naval stores in Group 286; and soap, glycerin (except synthetic), and cosmetics in Group 284.

2812 Alkalies and Chlorine

Establishments primarily engaged in manufacturing alkalies and chlorine.

Alkalies
Carbonates, potassium and sodium
Caustic potash
Caustic soda
Chlorine, compressed or liquefied
Potassium carbonate
Potassium hydroxide
Sal soda
Soda ash
Sodium bicarbonate
Sodium carbonate (soda ash)
Sodium hydroxide (caustic soda)

2813 Industrial Gases

Establishments primarily engaged in manufacturing gases for sale in compressed, liquid, and solid forms. Establishments primarily engaged in manufacturing fluorine, ammonia, and sulfur dioxide are classified in Industry 2819; and chlorine in Industry 2812. Distributors of industrial gases and establishments primarily engaged in shipping liquid oxygen are classified in trade.

Acetylene
Argon
Carbon dioxide
Dry ice (solid carbon dioxide)
Gases, industrial: compressed, liquefied, or solid—not made in petroleum refineries or in natural gasoline plants
Helium
Hydrogen
Neon
Nitrogen
Nitrous oxide
Oxygen, compressed and liquefied
Refrigerant gases, except ammonia

Major Group 29.—PETROLEUM REFINING AND RELATED INDUSTRIES

The Major Group as a Whole

This major group includes establishments primarily engaged in petroleum refining, manufacturing paving and roofing materials, and compounding lubricating oils and greases from purchased materials. Establishments manufacturing and distributing gas to consumers are classified in public utilities industries, and those primarily engaged in producing coke and byproducts in Major Group 33.

Group No. Industry No.

291 PETROLEUM REFINING

2911 Petroleum Refining

Establishments primarily engaged in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants and other products from crude petroleum and its fractionation products, through straight distillation of crude oil, redistillation of unfinished petroleum derivatives, cracking or other processes. Establishments primarily engaged in producing natural gasoline from natural gas are classified in mining industries. Those manufacturing lubricating oils and greases by blending and compounding purchased materials are included in Industry 2992.

Acid oil
Alkylates
Aromatic chemicals, made in petroleum refineries
Asphalt and asphaltic materials: liquid, semisolid and solid— produced in petroleum refineries
Benzene, produced in petroleum refineries
Benzol, produced in petroleum refineries
Butadiene, from petroleum
Coke, petroleum: produced in petroleum refineries
Fractionation products of crude petroleum produced in petroleum refineries
Gas, refinery or still oil: produced in petroleum refineries
Gases, liquefied petroleum
Gasoline blending plants
Gasoline, except natural gasoline
Greases: petrolatum, mineral jelly, lubricating, etc.—produced in petroleum refineries
Hydrocarbon fluid, made in petroleum refineries
Illuminating oil, produced in petroleum refineries
Jet fuels
Kerosene
Mineral oils, natural
Mineral waxes, natural
Naphtha, produced in petroleum refineries
Naphthenic acids
Oils, partly refined: sold for rerunning—produced in petroleum refineries
Paraffin wax, produced in petroleum refineries
Petrolatums, nonmedicinal
Petroleum refining
Petroleum re-refining
Road materials, bituminous: produced in petroleum refineries
Road oils, produced in petroleum refineries
Solvents, produced in petroleum refineries
Tar or residium, produced in petroleum refineries

295 PAVING AND ROOFING MATERIALS

2951 Paving Mixtures and Blocks

Establishments primarily engaged in manufacturing asphalt and tar paving mixtures; and paving blocks made of asphalt, creosoted wood, and various compositions of asphalt or tar with other materials. Establishments primarily engaged in manufacturing brick, concrete, granite, and stone paving blocks are classified in Major Group 32.

Asphalt and asphaltic mixtures for paving, not made in petroleum refineries
Asphalt paving blocks, not made in petroleum refineries
Asphaltic concrete, not made in petroleum refineries
Blocks, paving: except brick, concrete, granite, and stone
Coal tar paving materials, not made in petroleum refineries
Concrete, asphaltic: not made in petroleum refineries
Concrete, bituminous
Creosoted wood paving blocks
Mastic floor composition, hot and cold
Road materials, bituminous: not made in petroleum refineries
Tar and asphalt mixtures for paving, not made in petroleum refineries

Major Group 30.—RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS

The Major Group as a Whole

This major group includes establishments manufacturing from natural, synthetic, or reclaimed rubber, gutta percha, balata, or gutta sink, rubber products such as tires, rubber footwear, mechanical rubber goods, heels and soles, flooring, and rubber sundries. This group also includes establishments manufacturing or rebuilding retreaded tires, but automobile tire repair shops engaged in recapping and retreading automobile tires are classified in Services. This group also includes establishments engaged in molding primary plastics for the trade, and manufacturing miscellaneous finished plastics products. The manufacture of elastic webbing is classified in Major Group 22; products made of elastic webbing and garments made from rubberized fabrics in Major Group 23; synthetic rubber in Industry 2822; and plastics materials in the form of sheets, rods, tubes, granules, powders, or liquids in Industry 2821.

Group No. Industry No.

301 TIRES AND INNER TUBES

3011 Tires and Inner Tubes

Establishments primarily engaged in manufacturing pneumatic casings, inner tubes, and solid and cushion tires for all types of vehicles, airplanes, farm equipment, and children's vehicles; tiring; and camelback, and tire repair and retreading materials.

- Camelback for tire retreading
- Inner tubes: airplane, automobile, bicycle, motorcycle, and tractor
- Pneumatic casings (rubber tires)
- Retreading materials, tire
- Tire sundries and tire repair materials, rubber
- Tires, cushion or solid rubber: airplane, automobile, bicycle, motorcycle and tractor
- Tiring, continuous lengths: rubber, with or without metal core
- Tread rubber (camelback)

302 RUBBER FOOTWEAR

3021 Rubber Footwear

Establishments primarily engaged in manufacturing all rubber footwear, waterproof fabric upper footwear, and other fabric upper footwear having rubber soles vulcanized to the uppers. Establishments primarily engaged in manufacturing rubber, composition, and fiber heels, soles, soling strips, and related shoe making and repairing materials are classified in Industry 3069.

- Arctics, rubber or rubber soled fabric
- Boots, rubber or rubber soled fabric
- Canvas shoes, rubber soled
- Footholds, rubber
- Footwear, rubber or rubber soled fabric
- Gaiters, rubber or rubber soled fabric
- Galoshes, rubber or rubber soled fabric
- Overshoes, rubber or rubber soled fabric
- Pacs: rubber or rubber soled fabric
- Sandals, rubber
- Shoes, plastic soles molded to fabric uppers
- Shoes, rubber or rubber soled fabric
- Shower sandals or slippers, rubber

303 RECLAIMED RUBBER

3031 Reclaimed Rubber

Establishments primarily engaged in reclaiming rubber from scrap rubber tires, tubes, and miscellaneous waste rubber articles by processes which result in a devulcanized, depolymerized or regenerated replasticized product containing added ingredients. This product is sold for use as a raw material in the manufacture of rubber goods with or without admixture with crude rubber or artificial rubber. Establishments primarily engaged in the assembly and wholesale sale of scrap rubber are classified in trade industries.

- Reclaimed rubber (reworked by manufacturing processes)
- Rubber, hard: pulverized (reclaimed rubber)

Major Group 32.—STONE, CLAY, GLASS, AND CONCRETE PRODUCTS

The Major Group as a Whole

This major group includes establishments engaged in manufacturing flat glass and other glass products, cement, structural clay products, pottery, concrete and gypsum products, cut stone, abrasive and asbestos products, etc., from materials taken principally from the earth in the form of stone, clay, and sand. When separate reports are available for mines and quarries operated by manufacturing establishments classified in this major group, the mining activities are classified in mining industries; when separate reports are not available, the mining activities are classified herein with the manufacturing operations.

Group No.	Industry No.	
321		FLAT GLASS
	3211	Flat Glass

Establishments primarily engaged in manufacturing flat glass. This industry also produces laminated glass, but establishments primarily engaged in manufacturing laminated glass from purchased flat glass are classified in Industry 3231.

Building glass, flat
Cathedral glass
Float glass
Glass, colored; cathedral and antique
Glass, flat: clear window, plate, figured, laminated, opalescent, obscured, rolled, rough fluted, and wire reinforced
Insulating glass, sealed units, made from glass produced in the same establishment
Laminated glass, made from glass produced in the same establishment
Multiple-glazed insulating units, made from glass produced in the same establishment
Opalescent flat glass
Ophthalmic glass, flat
Optical glass, flat
Picture glass
Plate glass blanks for optical or ophthalmic uses
Plate glass, polished and rough
Sheet glass
Sheet glass blanks for optical or ophthalmic uses
Skylight glass
Spectacle glass
Structural glass, flat
Window glass, clear and colored

322		GLASS AND GLASSWARE, PRESSED OR BLOWN

This group includes establishments primarily engaged in manufacturing glass and glassware, pressed, blown, or shaped from glass produced in the same establishment. Establishments primarily engaged in manufacturing glass products from purchased glass are classified in Industry 3231.

	3221	Glass Containers

Establishments primarily engaged in manufacturing glass containers for commercial packing and bottling, and for home canning.

Ampoules, glass
Bottles for packing, bottling, and canning; glass
Carboys, glass
Containers for packing, bottling and canning; glass
Cosmetic jars, glass
Fruit jars, glass
Glassware, for packing, bottling, and home canning: pressed or blown
Jars (packers' ware), glass
Jugs (packers' ware), glass
Medicine bottles, glass
Milk bottles, glass
Vials, glass; made in glass making establishments

Major Group 33.—PRIMARY METAL INDUSTRIES

The Major Group as a Whole

This major group includes establishments engaged in the smelting and refining of ferrous and nonferrous metals from ore, pig, or scrap; in the rolling, drawing, and alloying of ferrous and nonferrous metals; in the manufacture of castings, forgings, and other basic products of ferrous and nonferrous metals; and in the manufacture of nails, spikes, and insulated wire and cable. This major group also includes the production of coke.

Group No. Industry No.

331 BLAST FURNACES, STEEL WORKS, AND ROLLING AND FINISHING MILLS

3312 Blast Furnaces (Including Coke Ovens), Steel Works, and Rolling Mills

Establishments primarily engaged in manufacturing hot metal, pig iron, silvery pig iron, and ferroalloys from iron ore and iron and steel scrap; converting pig iron, scrap iron and scrap steel into steel; and in hot rolling iron and steel into basic shapes such as plates, sheets, strips, rods, bars, and tubing. Merchant blast furnaces and byproduct or beehive coke ovens are also included in this industry. Establishments primarily engaged in manufacturing ferro and nonferrous additive alloys by electrometallurgical processes are classified in Industry 3313.

Armor plate, made in steel works or rolling mills
Axles, rolled or forged: made in steel works or rolling mills
Bars, iron: made in steel works or rolling mills
Bars, steel: made in steel works or hot rolling mills
Beehive coke oven products
Billets, steel: made in steel works or rolling mills
Blackplate, made in steel works or rolling mills
Blast furnace products
Blooms, made in steel works or rolling mills
Bolts, made in steel works or rolling mills
Car wheels, made in steel works or rolling mills
Castings, direct: made in blast furnaces, steel works, or rolling mills
Chemical recovery coke oven products
Coal gas, derived from chemical recovery coke ovens
Coal tar crudes, derived from chemical recovery coke ovens
Coke, produced in beehive ovens
Coke, produced in chemical recovery coke ovens
Cold rolled strip steel, flat bright: made in steel works or hot rolling mills
Distillates, derived from chemical recovery coke ovens
Fence posts, iron and steel: made in steel works or rolling mills
Ferroalloys, produced in blast furnaces
Flats, iron and steel: made in steel works and hot rolling mills
Forgings, iron and steel: made in steel works or rolling mills
Frogs, iron and steel: made in steel works or rolling mills
Galvanized hoops, pipes, plates, sheets, and strips: iron and steel—made in steel works or rolling mills
Gun forgings, iron and steel: made in steel works or rolling mills
Hoops, galvanized iron and steel made in steel works or rolling mills
Hoops, iron and steel: made in steel works or hot rolling mills
Hot rolled iron and steel products, made in steel works or rolling mills
Ingot molds and stools, made in steel works and rolling mills
Ingots, steel: made in steel works or rolling mills
Iron, pig
Iron sinter, made in steel mills
Nut rods, iron and steel: made in steel works or rolling mills
Nuts, iron and steel: made in steel works or rolling mills
Pipe, iron and steel: made in steel works or rolling mills
Plates, made in steel works or rolling mills
Pressed, stamped, or other shapes iron and steel—made in steel works or rolling mills
Rail joints and fastenings, made in steel works or rolling mills
Railroad crossings, iron and steel made in steel works or rolling mills
Rails, iron and steel: made in steel works or rolling mills
Rails, rerolled or renewed: made in steel works or rolling mills
Rivets, iron and steel: made in steel works or rolling mills
Rods, iron and steel: made in steel works or rolling mills
Rolling, mills, hot rolling
Rounds, tube: made in steel works or rolling mills
Sheet pilings, plain: iron and steel—made in steel works or rolling mills
Sheets, iron and steel: made in steel works or rolling mills
Shell slugs, steel: made in steel works or rolling mills

Major Group 34.—FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT

The Major Group as a Whole

This major group includes establishments engaged in fabricating ferrous and nonferrous metal products such as metal cans, tinware, hand tools, cutlery, general hardware, nonelectric heating apparatus, fabricated structural metal products, metal stampings and a variety of metal and wire products not elsewhere classified. Certain important segments of the metal fabricating industries are classified in other major groups, such as ordnance in Major Group 19; machinery in Major Groups 35 and 36; transportation equipment in Major Group 37; professional scientific and controlling instruments, watches and clocks in Major Group 38; and jewelry and silverware in Major Group 39. Establishments primarily engaged in producing ferrous and nonferrous metals and their alloys are classified in Major Group 33.

Group No. | Industry No.

341 METAL CANS

3411 Metal Cans

Establishments primarily engaged in manufacturing metal cans from purchased materials.

Beer cans, metal: made from purchased materials
Cans, metal: made from purchased materials
Containers, metal: food, milk, oil, beer, general line made from purchased materials
Food containers, metal: made from purchased materials
General line cans, metal: made from purchased materials
Ice cream cans, metal: made from purchased materials
Milk cans, metal: made from purchased materials
Oil cans, metal: made from purchased materials
Packers' cans, metal: made from purchased materials
Pails, except shipping, metal: made from purchased materials
Pans, tinned
Tin cans: made from purchased tinplate, terneplate, blackplate, or enabled sheet metal

342 CUTLERY, HAND TOOLS, AND GENERAL HARDWARE

3421 Cutlery

Establishments primarily engaged in manufacturing cutlery. Establishments primarily engaged in manufacturing table cutlery made entirely of metal are classified in Industry 3914; those manufacturing electric razors in Industry 3634; and those manufacturing hair clippers for human use in Industy 3990, and for animal use in Industry 3523.

Barbers' scissors
Blades, knife and razor
Carving sets: except stainless steel, silver, silver plated, or other all metal handle
Cleavers
Clippers, fingernail and toenail
Cutlery, except all metal
Forks, table: except all metal
Hedge shears and trimmers
Kitchen cutlery
Knife blades
Knife blanks
Knives, except electric or all metal: butchers', hunting and fishing, pocket, and table
Potato peelers, hand
Razors: safety, straight
Safety razor blades
Shears, hand: barbers', manicure, pedicure, tailors', and household
Shears, metal cutting: hand
Snips, tinners'
Swords
Table cutlery, except all metal
Tailors' scissors

Major Group 35.—MACHINERY, EXCEPT ELECTRICAL

The Major Group as a Whole

This major group includes establishments engaged in manufacturing machinery and equipment, other than electrical equipment (Major Group 36) and transportation equipment (Major Group 37). Machines powered by built-in or detachable motors ordinarily are included in this major group, with the exception of electrical household appliances (Major Group 36). Portable tools, both electric and pneumatic powered, are included in this major group, but hand tools are classified in Major Group 34.

Group No. | Industry No.

351 ENGINES AND TURBINES

3511 Steam Engines; Steam, Gas, and Hydraulic Turbines; and Steam, Gas, and Hydraulic Turbine Generator Set Units

Establishments primarily engaged in manufacturing steam engines; steam turbines; hydraulic turbines; gas turbines except aircraft; and complete steam, gas, and hydraulic turbine generator set units. Establishments primarily engaged in building or rebuilding locomotives are classified in Industry 3741; and those manufacturing nonautomotive type generators which are not part of a turbine generator set in Industry 3621.

Gas turbines, mechanical drive
Governors, steam
Hydraulic turbines
Steam engines, except locomotives
Steam turbines
Turbine generator set units, complete: steam, gas, and hydraulic
Turbines: steam, hydraulic, and gas —except aircraft type
Turbo-generators
Water wheels and turbines
Wheels, water

3519 Internal Combustion Engines, Not Elsewhere Classified

Establishments primarily engaged in manufacturing Diesel, semi-Diesel, or other internal combustion engines, not elsewhere classified, for stationery, marine, traction, and other uses. Establishments primarily engaged in manufacturing aircraft engines, including rocket engines, are classified in Industry 3722, automotive engines except Diesel in Industry 3714, and engine generator sets in Industry 3621.

Controls, remote: for boats
Diesel and semi-Diesel engines: for stationary, marine, traction, and other uses
Engine starters, pneumatic
Engines and engine parts, military tank
Engines: diesel and semi-Diesel and duel fuel—except aircraft
Engines, internal combustion: except aircraft and non-Diesel automotive
Gas and Diesel engine rebuilding
Governors, Diesel engine
Governors, pump: for Diesel engines
Internal combustion engines for stationary, marine, traction, and other uses: except aircraft and non-Diesel automobile
Jet propulsion engines, except aircraft
Marine engines: Diesel, semi-Diesel, and other internal combustion
Outboard motors
Propelling units, outboard
Radiators, stationary engine
Semi-Diesel engines for stationary, marine, traction, or other uses
Tank engines and engine parts, military

352 FARM MACHINERY AND EQUIPMENT

3522 Farm Machinery and Equipment

Establishments primarily engaged in manufacturing farm machinery, including equipment and wheel tractors, for use in the preparation and maintenance of the soil; planting and harvesting of the crop; preparing, on the farm, crops for market; or for use in performing other farm operations and processes. This industry includes wheel tractors except contractors' off-

Major Group 36.—ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES

The Major Group as a Whole

This major group includes establishments engaged in manufacturing machinery, apparatus, and supplies for the generation, storage, transmission, transformation, and utilization of electrical energy. The manufacture of household appliances is included in this group, but industrial machinery and equipment powered by built-in or detachable electric motors is classified in Major Group 35.

Group No.	Industry No.	
361		ELECTRIC TRANSMISSION AND DISTRIBUTION EQUIPMENT
	3611	Electric Measuring Instruments and Test Equipment

Establishments primarily engaged in manufacturing pocket, portable, panelboard, and graphic recording instruments for measuring electricity, such as voltmeters, ammeters, watt meters, watt-hour meters, demand meters, and other meters and indicating instruments. This industry also includes establishments primarily engaged in manufacturing analyzers for testing the electrical characteristics of internal combustion engines, radio apparatus, etc.

Ammeters
Ampere-hour meters
Analyzers for testing electrical characteristics of internal combustion engines, radio apparatus, etc.
Audio-frequency oscillators
Audio meters
Automotive instruments, electric
Bleed control cabinets (engine testers)
Bridges: Kelvin, Wheatstone, vacuum tube, megohm, etc.
Current measuring equipment
Demand meters, electric
Digital test equipment for electronic and electrical circuits and equipment
Electron tube test equipment
Electrical power measuring equipment
Electronic test equipment for testing electrical characteristics
Energy measuring equipment, electrical
Field strength and intensity measuring equipment, electrical
Frequency meters, electric
Galvanometers
Ignition testing instruments
Impedance measuring equipment
Indicating instruments, electric
Instrument relays, all types
Instruments, electric: for testing the electrical characteristics of internal combustion engines, radios, etc.
Instruments for measuring electrical quantities
Instrument transformers
Integrating instruments, electrical measuring
Kelvin bridges (electrical measuring instruments)
Laboratory standards, electric: resistance, inductance, and capacitance standards, and shunts
Measuring equipment for electronic and electrical circuits and equipment
Measuring instruments and meters, electric
Megohm bridges (electrical measuring instruments)
Meters, electric: pocket, portable, panelboard, and graphic recording
Meters, power factor and phase angle
Microwave test equipment
Multimeters
Ohmmeters
Oscillators, audio frequency and radio frequency (instrument types)
Oscillographs and oscilloscopes
Potentiometric measuring instruments
Power measuring equipment, electrical
Pulse (signal) generators
Radar testing instruments, electric
Radio apparatus analyzers, for testing electrical characteristics
Radio frequency measuring equipment
Radio meters
Radio set analyzers, electrical
Radio tube checkers, electrical
Reflectometers, sliding shorts
Resistance measuring equipment
Semiconductor test equipment
Signal generating equipment: audio, RF, and microwave
Spark plug testing instruments, electric
Spectrum analyzers
Standards and calibration equipment for electrical and electronic test and measuring equipment, except laboratory
Standing wave ratio measuring equipment
Telephone cable pressurization unit

Major Group 37.—TRANSPORTATION EQUIPMENT

The Major Group as a Whole

This major group includes establishments engaged in manufacturing equipment for transportation of passengers and cargo by land, air, and water. Important products produced by establishments classified in this major group include motor vehicles, aircraft, ships, boats, railroad equipment, and miscellaneous transportation equipment such as motorcycles, bicycles, and horse drawn vehicles.

Group No.	Industry No.	
371		MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT
	3711	Motor Vehicles

Establishments primarily engaged in manufacturing or assembling complete passenger automobiles, trucks, commercial cars and busses (except trackless trolleys—Industry 3742), and special purpose motor vehicles. Such establishments may also manufacture motor vehicle parts, but establishments primarily engaged in manufacturing motor vehicle parts and which are not engaged in manufacturing complete motor vehicles are classified in Industry 3714. Establishments primarily engaged in manufacturing truck and bus bodies and assembling them on purchased chassis are classified in Industry 3713; motorcycles in Industry 3751; wheel tractors, except contractors' off-highway types, in Industry 3522; tracklaying and contractors' off-highway tractors in Industry 3531; and combat tanks in Industry 1931.

Ambulances (motor vehicles)
Assembling complete automobiles, motor trucks, commercial cars, and busses
Automobiles
Brooms, powered (motor vehicles)
Cars, armored
Chassis, motor vehicle
Fire department vehicles (motor vehicles)
Flushers, street (motor vehicles)
Hearses (motor vehicles)
Mobile lounges (motor vehicle)
Motor busses, except trackless trolley
Motor trucks, except off-highway
Motor vehicles, including amphibian
Patrol wagons (motor vehicles)
Personnel carriers (motor vehicles)
Reconnaissance cars
Road oilers (motor vehicles)
Scout cars (motor vehicles)
Snow plows (motor vehicles)
Station wagons (motor vehicles)
Street sprinklers and sweepers (motor vehicles)
Taxicabs
Truck tractors for highway use
Trucks, motor: except off-highway
Universal carriers, military

3712 Passenger Car Bodies

Establishments primarily engaged in manufacturing passenger car bodies, but not engaged in manufacturing complete passenger automobiles. Establishments primarily engaged in manufacturing complete motor vehicles are classified in Industry 3711, and stamped body parts for passenger cars in Industry 3461.

Bodies, passenger automobile

3713 Truck and Bus Bodies

Establishments primarily engaged in manufacturing truck and bus bodies for sale separately or for assembly on purchased chassis. Establishments primarily engaged in manufacturing complete trucks and busses are classified in Industry 3711, and stamped body parts for trucks and busses in Industry 3461.

Ambulance bodies
Automobile wrecker-truck body
Bodies, dump
Bus bodies (motor vehicle)
Cabs, for agricultural tractors
Cabs, for industrial trucks
Demountable cargo containers
Hearse bodies
Truck beds
Truck bodies, motor vehicle
Truck cabs, for motor vehicles
Truck tops

Appendix A

COMPARABILITY OF CENSUSES OF MANUFACTURES IN TERMS OF THE VALUE ADDED MEASURE

It is doubtful whether any census could be kept fully comparable with one taken for an earlier period. Even if all systems of classification, such as the SIC, and definitions were identical and if the same procedures were employed in compiling the statistics, the changes in the structure of industry would introduce elements of noncomparableness. For example, a shift to the use of commercial services instead of the manufacturers' own labor force in performing some functions would affect the comparability of operating ratios such as output per man-hour associated with an industry.

The changes in definitions and procedures introduced in a census are described in the introductory text of the census volumes and historical data are revised where practical. (See Introductory text, Section 5.) Nevertheless, over long periods of time the comparableness of series will be significantly affected and the problems of revising historical data become difficult.

One way of displaying the problems connected with comparing the statistics from two censuses is to review the history of a single concept. For this example, value added by manufactures has been chosen. Currently, it is looked upon as the "best" additive measure of manufacturing activity provided by the census of manufactures. It is widely relied upon for comparative statistics by industry and by geographic location.

The phrase, "value added to materials by manufacturing processes," first appeared as a column heading in the census for 1904, where it was proposed as a measure suitable for comparing industries and areas. Earlier censuses had provided information on value of product and varying amounts of information on costs of materials, the two sets of figures which census analysts use to compute value added (table A). In connection with the census for 1869, costs of materials were subtracted from value of product for each industry but the difference, which was labeled "excess of product over materials," was used primarily to indicate variation among industries classified by the ratio of materials to employees and by the manner in which products were valued for census purposes.

This appendix was prepared by Frank H. Hanna, professor of economics, Duke University.

During the 19th century, interest centered chiefly in obtaining an aggregate which would reflect the growth of the American economy. In 1889, the subtraction of costs of materials from value of product was labeled, "net value of products." It was later criticized as a "statistical absurdity" unsuitable for measuring the growth of manufactures since the net value of products was made to appear less than the cost of materials. The census for 1899 proposed as a measure of growth the sum of "(1) the value of all raw materials which have entered this output; and (2) the entire value added to these raw materials by manufacturing processes," and, (3) the value of the partially fabricated materials imported "since their value is counted nowhere else."

The concern with the appropriate basis for the measurement of growth, and the desire to include within the measure all activities not explicitly included elsewhere, probably had its roots in the sparsity of available data. The census of manufactures was almost the only source of information on output and apparently there was a desire to make it as comprehensive as possible. It purported to cover output wherever it occurred—in factories, in the hand trades, in stores, and even in homes if the output was commercial—though the censuses for 1869 and later disclaimed an ability to obtain reliable statistics from the hand trades.

The census for 1899 devoted 77 pages of text to the emergence of a "factory system" and to formation of 185 "industrial combinations" or "trusts," consisting of 2,040 plants in 12 industrial groups and 36 States. All but eight of the "combinations" had been formed between 1890 and 1899. After 1899, the census was confined to the "factory system." Its frequency increased and emphasis shifted to the organization and structure of manufactures.

The formulation of net value of products as the sum of raw materials and value added had required that data be collected separately for raw materials and for fabricated materials and, as is shown in table A, data were obtained on many other expenses. The problem of allocating net value of products among industries and areas was discussed extensively in the census for 1899 but a satisfactory solution was not found. "Value added" was adopted, almost reluctantly, for this purpose in the census for 1904, but only the cost of materials consumed directly was subtracted from value of products to arrive at the value added used for that year. Materials consumed by the manufacturing process (e.g., mill supplies, fuels, etc.), but not embodied in the product, were not subtracted even though information on their magnitude was available in the census.

Table A.--Approaches to Value Added, Selected Census Years 1869 to 1958

[In millions of dollars. The entries are from the original reports for the years shown. Estimates adjusted for changes in the scope of manufactures are shown in table 1, General Summary. The exclusion of the hand trades and neighborhood operations from the 1899 census reduced the value added shown in this table by 44 percent; the adjustments for 1809 and later censuses were about 4 percent.]

	Item[1]	1869	1899	1904	1909	1919	1939	1947	1958
1	Value of product[2]	4,376	13,004	14,802	20,672	62,418	56,843	191,004	314,748
2	Cost of materials[3]	•2,503	-	-	•11,497	•35,730	•30,255	•113,246	•168,424
3	Raw	-	2,389	•3,141	-	-	-	-	-
4	Partly manufactured	-	•4,634	•4,918	-	-	-	-	-
5	Mill supplies	([4])	-	63	([4])	([4])	-	-	-
6	Freight, materials	-	([5])	57	•76	([6])	-	-	-
7	Fuels	([4])	322	308	•370	•1,646	•850	•2,377	•2,830
8	Electricity	-	-	-	-	-	•465	•955	•2,224
9	Rent: power and heat	-	-	17	([5])	([5])	-	-	-
10	Contract work	-	171	145	179	464	•589	•([7])	•([7])
11	Rent: factory and works	-	96	73	107	212	-	-	[8]1,411
12	Taxes paid	-	-	-	-	2,079	-	-	-
13	Federal excise	-	([9])	([9])	263	([10])	-	([7])	([7])
14	State and local	-	47	59	88	([10])	-	-	[8]1,450
15	Other expenses[11]	-	714	1,178	1,309	-	-	-	-
	Ordinary repairs:								
16	Wages and salaries of plant	-	-	-	-	-	-	-	[8]4,539
17	Purchased services	-	-	-	-	-	-	-	[8]4,472
	Supplements to wages and salaries:								
18	Social security	-	-	-	-	-	-	-	[8]1,335
19	Workmen's compensation	-	-	-	-	-	-	-	[8]501
20	Unemployment compensation	-	-	-	-	-	-	-	[8]762
21	Pensions and other	-	-	-	-	-	-	-	[8]3,376
22	Insurance	-	-	-	-	-	-	-	[8]667
23	Depreciation	-	-	-	-	-	-	-	[8]7,295
24	Cost of goods resold	-	-	-	-	-	-	([12])	•([12])
25	Value added by manufacture[13]	1,873	8,371	6,743	8,529	25,042	24,683	74,426	141,270

•Subtracted from value of product in computing value added by manufacture.
- Represents zero.

[1]Includes only items named in a request for separate information.

[2]For 1947, value of shipments; for 1958, value of shipments and miscellaneous receipts, sales of goods bought and resold without further manufacture, and changes in inventories of work in process and finished goods.

[3]Includes all materials consumed in the manufacture of products plus an increasingly comprehensive list of supplies consumed currently in the operation of the plant.

[4]Specifically mentioned as included in item 2, but not shown separately.

[5]Obtained separately but combined with item 7 for publication.

[6]Information requested but no mention of it was found in publication.

[7]Excluded from value of product and, thus, from value added. Data on excise taxes were obtained for 1947 and published as a memorandum item in the tables for industry, but have not been requested since 1947.

[8]Data were obtained in a sample survey conducted in connection with the census for 1958 and relate to 1957.

[9]Specifically mentioned as included in item 15.

[10]Items 13 and 14 were combined and requested as item 12.

[11]The instructions for 1899 and 1904 requested the inclusion of the following expenses: Federal excise taxes, rent of office and buildings, interest paid, insurance premiums paid, advertising, ordinary repairs of buildings and machinery, all other sundries. The instructions for 1909 modified this list by requesting the separate reporting of Federal excise taxes, dropping interest paid, and adding traveling expenses, royalties, use of patents.

[12]Published only for individual industries; total not shown for all industries.

[13]For 1869, labeled, "excess of value over materials;" for 1899, labeled, "net value of product."

The chief concern of those first deciding upon the appropriate definition of value added was to circumvent the problem discussed in most censuses under the heading, "Duplication in cost of materials and value of products." To them, it *must* have seemed undesirable to subtract from value of products anything not essential to reduce "duplication" to manageable proportions. The considerations which went into the decisions to subtract additional costs from value of products are incompletely recorded, but there is no doubt that such decisions were taken. By 1909, mill supplies and fuels, including rented heat and power, were subtracted. To this list were added purchased electricity in 1929, and the cost of contract work, partially in 1935, and fully in 1939. Beginning with the 1947 Census of Manufactures, Federal excise taxes were excluded from value of shipments and thus from value added by manufacture. In a special table in the 1954 Census of Manufactures (Volume I, General Summary, table 2B), the concept of adjusted value added was introduced. Value added by resales was added to standard value added by manufacture and the total further adjusted by the change in finished products and work-in-process inventories. During the 1955 to 1959 Annual Surveys of Manufactures, both adjusted and unadjusted value added were calculated for each industry. Since the 1958 census, only adjusted value added has been used.

While there was an increase in the range of costs subtracted from value of product in arriving at value added since 1869, there was also a curtailment of the *detailed information* obtained on costs. Why some items were dropped is not known precisely but *perhaps* the following information is relevant. The census reports contain testimony that difficulty had been experienced in collecting data on costs or expenses and that respondents had complained about the burden of providing such information. The reports also contain statements, with increasing emphasis, that *profits* could not be calculated from published figures; such statements also appear in the reports for 1899 and 1904, the years when maximum detail was requested. There may have been more effort by the Census Bureau to obtain data essential to a "key" measure, such as value added, than there was for data to be presented only as supplementary information. Too, the introduction, in 1921, of the biennial census of manufactures, coupled with uncertain and fluctuating appropriations, may have led to the adoption of a policy to concentrate on a minimum number of key measures. The appropriations for the census for 1933, for example, were too small even to cover the key measures.

It is not clear whether the inclusion of fuels and electricity in the value to be subtracted from value of product was simply to reduce "duplication" within the manufacturing sector or is evidence of a growing awareness of the contribution of other sectors to the value of manufactured product, a contribution that must be subtracted to arrive at value added by *manufacture*. During the opening decades of this century, coke and manufactured gas had a larger share of the fuels market and much of the electricity consumed by manufactures was produced in manufacturing plants. On the other hand, a continuous attempt was made from the early censuses to exclude transportation costs from the value of products and value added, by requesting that products be valued f.o.b. the plant and that materials costs include the cost of transporting them to the plant. Item 6, table A, was provided as "correction" to costs of materials which were reported exclusive of delivery costs.

Appendix C

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Ashtabula

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1)^{\%} \times 100$	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20			123.6						
22			102.4						
26			115.9						
28	10,901	37,700	91.2	41,337	1.0998	9.98	54,989	88,451	142,369
29			157.3						
30	4,676	32,100	101.2	31,719	1.01465	14.65	47,801	94,691	187,576
32			133.2						
33			144.6						
34	10,692	40,600	135.5	29,963	1.0763	7.63	37,350	54,039	77,804
35			127.1						
36	(D)	39,700	90.6	43,819					
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

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PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Belmont

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1) \times 100$ %	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20			123.6						
22			102.4						
26			115.9						
28			91.2						
29			157.3						
30			101.2						
32	3,112	5,600	133.2	4,191	1.0223	2.23	4,477	4,999	5,582
33			144.6						
34	10,027	18,500	135.5	13,653	1.0215	2.15	14,552	16,186	18,002
35			127.1						
36			90.6						
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

County Population and Growth Rates as performed by the Battelle Memorial Institute, Columbus Laboratories, and modified by the Ohio Department of Community and Economic Development. Battelle Institute disclaimer.

Bureau of Census State Economic Areas used by Battelle Institute:

OHIO:

Area 1
- Defiance
- Fulton
- Henry
- Ottawa
- Paulding
- Putnam
- Sandusky
- VanWert
- Williams
- Wood

Area 2
- Auglaize
- Crawford
- Hancock
- Hardin
- Logan
- Marion
- Mercer
- Seneca
- Union
- Wyandot

Area 3
- Champaign
- Clinton
- Darke
- Delaware
- Fayette
- Madison
- Pickaway
- Preble
- Shelby
- Warren

Area 4
- Ashland
- Erie
- Holmes
- Huron
- Medina
- Richland
- Wayne

Area 5
- Ashtabula
- Columbiana
- Geauga
- Portage

Area 6
- Carroll
- Coshocton
- Fairfield
- Guernsey
- Harrison
- Jefferson
- Knox
- Licking
- Morrow
- Muksingum
- Perry
- Tuscarawas

Area 7
- Adams
- Brown
- Clermont
- Highland
- Ross

Area 8
- Athens
- Gallia
- Hocking
- Jackson
- Meigs
- Monroe
- Morgan
- Noble
- Pike
- Scioto
- Vinton
- Washington

Area A
- Lucas

Area B
- Franklin

Area C
- Greene
- Miami
- Montgomery

Area D
- Butler

Area E
- Cuyahoga
- Lake

Area F
- Summit

Area G
Stark

Area H
Mahoning
Trumbull

Area J
Belmont

Area K
Hamilton

Area L
Lawrence

Area M
Lorain

Area N
Clarke

Area O
Allen

Appendix C

Population

In 1970 the thirty principal counties in the mined lands study area had a population of 2,680,711. The population was highly concentrated in the northern counties. Portage, Stark, Summit, Trumbull, and Wayne Counties contained 1,587,452 persons, 59.2 percent of the total for the entire region. The densely populated counties tended to be highly urban, and generally experienced significant increases in population from 1960 to 1970. Growth rates vary from a 60.2 percent projected increase in Portage County to a 22.4 percent decrease in Scioto County. The largest population increases are projected for a northeast to southwest belt including Trumbull, Portage, Summit, Stark, Wayne, and Holmes Counties. These counties are highly urban and lie within one of Ohio's major industrial regions. With the exception of Meigs and Monroe, the counties bordering the Ohio River are expected to experience overall decreases or very slight increases in population. This is largely a function of their rural character and their inability to compete for new industrial activity. Population data and projections are presented in the following table.

Land Use

The major productive uses of land in the thirty-six county study area are for forest, mining, and agricultural purposes. There is, however, a significant difference between the urban-industrial North and the rural South. Mahoning, Trumbull, Stark, Summit, and Portage Counties contain large tracts of urban land surrounded by less dense residential land. In most of the remaining counties only a small portion of the land has been classified as urban.

In the southern portion of the study area, large tracts of land are devoted to recreational uses such as federal and state forests, parks, and historical areas. Roughly three quarters of Lawrence and Vinton Counties are park and forest land, while Scioto, Perry, Hocking, Athens, and Guernsey Counties also contain large portions of recreational land.

Large tracts of land used for mining purposes are characteristic of the east-central portion of the State. A significant proportion of the total land in some of these counties is devoted to mining. This is the case in Noble, Morgan, Belmont, Jefferson, and Harrison Counties.

summary population data

County	Population 1960	Population 1970	Annual Increase 1960-70 (Percent)	Projected Population 2000	Population Change 1970-2000 (Percent)	Average Population Annual Change 1970-2000 (Percent)
Athens	46,998	54,889	1.6	57,400	4.6	.1
Belmont	83,864	80,917	−.4	77,897	−3.7	−.1
Carroll	20,857	21,579	.3	20,048	−7.1	−.2
Columbiana	107,004	108,310	.1	97,852	−9.7	−.3
Coshocton	32,224	33,486	.4	32,224	−3.0	−.1
Gallia	26,120	25,239	−.3	24,589	−2.6	−.1
Guernsey	33,579	37,665	−.2	44,877	19.1	.6
Harrison	17,995	17,013	−.6	16,715	−1.8	−.1
Hocking	20,168	20,322	.1	23,788	17.1	.5
Holmes	21,591	23,024	.6	29,801	29.4	.9
Jackson	29,372	27,174	−.7	31,916	17.5	.5
Jefferson	99,201	96,193	−.3	98,044	1.9	.1
Lawrence	55,438	56,868	.3	56,410	−.8	0
Mahoning	300,480	303,424	.1	297,040	−2.1	−.1
Meigs	22,159	19,799	−1.1	24,470	24.0	.7
Monroe	15,268	15,739	.3	18,894	20.0	.6
Morgan	12,747	12,375	−.3	14,341	15.9	.5
Muskingum	79,159	77,826	−.1	77,891	.1	0
Noble	10,982	10,428	−.5	11,694	12.1	.4
Perry	27,864	27,434	−.1	30,329	10.6	.3
Pike	19,380	19,114	−.1	22,545	18.0	.6
Portage	91,798	125,868	3.2	201,641	60.2	1.6
Scioto	84,216	76,951	−.9	59,993	−22 0	−.8
Stark	340,345	372,210	.8	512,028	37.6	1.1
Summit	513,569	553,371	.7	683,433	23.5	.7
Trumbull	208,526	232,579	1.1	252,363	8.5	.3
Tuscarawas	76,789	77,211	.1	78,580	1.8	.1
Vinton	10,274	9,420	−.8	11,040	17.2	.5
Washington	51,689	57,160	.1	55,029	−3.7	−.1
Wayne	75,497	87,123	1.4	121,470	39.4	−1.1

Note: The methodology used to derive these projections was developed by Battelle's Columbus Laboratories with the assistance of the Ohio Department of Economic and Community Development. Because the emphasis of the Department was on projections at the region or district level, some data inputs are not county-specific (such as migration rates and industry growth coefficients). Therefore, care should be taken when using results for individual counties.

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PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Cuyahoga

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}(1/14)$	ANNUAL GROWTH RATE $G = (F - 1)$ % $\times 100$	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20			123.6						
22			102.4						
26			115.9						
28	122,559	258,600	91.2	238,552	1.0617	6.17	339,342	457,770	617,583
29	(D)	(D)	157.3			.90*			
30			101.2						
32	31,302	61,200	133.2	45,808	1.0275	2.75	49,692	56,911	65,178
33	367,862	646,300	144.6	446,957	1.040	1.40	465,993	499,539	535,499
34	262,019	736,600	135.5	543,616	1.0535	5.35	635,617	824,838	1,070,387
35	352,014	759,900	127.1	578,310	1.0361	3.61	643,229	768,023	917,027
36			90.6						
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Columbiana

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1)^{\%} \times 100$	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20			123.6						
22			102.4						
26			115.9						
28			91.2						
29			157.3						
30			101.2						
32	19,863	32,200	133.2	24,102	1.0139	1.39	25,121	26,916	27,290
33			144.6						
34	15,508	31,500	135.5	23,247	1.0293	2.93	23,351	29,289	33,838
35	21,979	43,800	127.1	34,461	1.0326	3.26	37,942	44,942	52,293
36			90.6						
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Franklin

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1) \times 100$ %	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20	81,918	216,800	123.6	175,404					
22			102.4		1.0558	5.58	206,435	270,827	355,304
26			115.9						
28	21,890	61,900	91.2	67,873	1.0841	8.41	86,478	129,494	193,908
29			157.3						
30			101.2						
32	40,594	120,400	133.2	90,120	1.0586	5.86	106,909	142,127	188,945
33			144.6						
34	92,624	219,200	135.5	161,771	1.0406	4.06	182,215	222,333	270,907
35	78,816	169,800	127.1	133,595	1.0384	3.84	149,584	180,596	218,038
36			90.6						
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Geauga

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1)^{\%} \times 100$	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20			123.6						
22			102.4						
26			115.9						
28			91.2						
29			157.3						
30	8,340	39,000	101.2	38,537	1.1155	11.55	53,492	92,392	159,581
32			133.2						
33			144.6						
34			135.5						
35			127.1						
36			90.6						
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Hamilton

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1) \times 100$ %	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20	178,687	421,000	123.6	340,615	1.0471	4.71	384,584	470,837	576,435
22			102.4						
26	48,944	81,000	115.9	72,677	1.0286	2.86	79,093	91,069	104,798
28			91.2						
29			157.3			2.35*			
30			101.2						
32	18,568	24,900	133.2	18,693	1.0004	.04	18,715	18,753	18,790
33			144.6						
34	103,752	198,800	135.5	146,716	1.0250	2.50	157,997	177,971	201,358
35	128,200	254,900	127.1	200,551	1.0325	3.25	220,747	259,027	303,945
36	75,087	141,300	90.6	155,960	1.0536	5.36	182,407	236,821	307,465
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Lake

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1) \times 100$ %	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20			123.6						
22			102.4						
26			115.9						
28	37,346	(D)	91.2						
29			157.3						
30			101.2						
32	6,422	15,300	133.2	11,452	1.0421	4.21	12,974	15,945	19,596
33			144.6						
34	7,632	68,100	135.5	50,258	1.1440	14.40	72,697	142,444	279,109
35	17,262	83,900	127.1	65,011	1.0993	9.93	86,365	138,650	222,587
36			90.6						
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Lorain

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1)$ % $\times 100$	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20	4,411	12,400	123.6	10,032	1.0604	6.04	11,945	16,015	21,472
22			102.4						
26			115.9						
28			91.2						
29			157.3						
30			101.2						
32			133.2						
33			144.6						
34	40,848	179,500	135.5	132,472	1.0874	8.74	170,424	259,345	394,660
35	10,027	88,900	127.1	69,942	1.1487	14,87	106,009	212,021	424,044
36			90.6						
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Lucas

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1) \times 100$ %	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20	55,190	86,500	123.6	69,984	1.0171	1.71	73,636	80,151	87,242
22			102.4						
26			115.9						
28	23,060	72,900	91.2	79,934	1.0928	9.28	104,317	162,576	233,373
29			157.3			2.35 *			
30	3,085	12,600	101.2	12,450	1.1047	1.047	16,784	27,613	45,429
32			133.2						
33			144.6						
34	43,076	85,600	135.5	63,173	1.0277	2.77	68,569	78,607	90,114
35	67,863	118,700	127.1	93,391	1.0230	2.30	99,984	112,024	125,513
36			90.6						
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Mahoning

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}(1/14)$	ANNUAL GROWTH RATE $G = (F - 1) \times 100$ %	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20			123.6						
22			102.4						
26			115.9						
28			91.2						
29			157.3			.90			
30			101.2						
32	9,949	19,900	133.2	14,875	1.0292	2.92	16,238	18,733	21,633
33	223,002	365,700	144.6	252,904	1.0090	.90	253,587	254,730	253,876
34	26,477	45,700	135.5	33,727	1.0174	1.74	35,518	38,718	42,206
35	31,539	92,800	127.1	73,013	1.0617	6.17	87,385	117,882	169,021
36			90.6						
37	11,878	25,200	131.4	19,178	1.0348	3.48	21,251	25,207	29,921

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Jefferson - Exception

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1) \times 100$ %	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20			123.6						
22			102.4						
26			115.9						
28			91.2						
29			157.3						
30			101.2						
32	5,719	6,900	133.2	5,165	.00	.00			
33	96,134	239,300	144.6	165,491	1.0395	3.95	185,886	225,616	273,837
34			135.5						
35			127.1						
36			90.6						
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Montgomery

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1) \times 100$ %	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20	48,464	49,100	123.6	39,725	.9858	-1.41	38,080	35,488	33,072
22			102.4						
26	31,782	70,700	115.9	63,357	1.0504	5.04	73,358	93,625	119,492
28	15,527	33,200	91.2	36,165	1.0622	6.22	43,342	58,606	79,245
29			157.3						
30			101.2						
32			133.2						
33	14,917	34,500	144.6	23,859	1.0341	3.41	26,381	31,182	36,863
34	17,528	108,400	135.5	80,000	1.1145	11.45	110,846	190,770	328,028
35	234,671	844,400	127.1	664,359	1.0771	7.71	829,946	1,125,620	1,631,062
36			90.6						
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Muskingum

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1) \times 100$ %	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20			123.6						
22			102.4						
26			115.9						
28			91.2						
29			157.3						
30			101.2						
32	27,556	35,800	133.2	26,796	.9898	-.12	26,737	26,545	26,386
33			144.6						
34			135.5						
35			127.1						
36	18,554	20,800	90.6	22,958	1.0392	3.92	25,765	31,227	37,846
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Summit

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1) \times 100$ %	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20	38,804	77,200	123.6	62,459	1.0345	3.45	69,149	81,929	97,048
22			102.4						
26			115.9						
28			91.2						
29			157.3						
30			101.2						
32	18,054	29,900	133.2	22,380	1.0154	1.54	23,409	25,267	27,273
33			144.6						
34			135.5						
35	36,519	151,700	127.1	119,354	1.0882	8.82	153,802	234,696	358,137
36			90.6						
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Trumbull

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1) \times 100$ %	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20			123.6						
22			102.4						
26			115.9						
28			91.2						
29			157.3						
30			101.2						
32	9,126	17,700	133.2	13,248	1.0269	2.69	14,346	16,382	17,727
33	186,403	272,500	144.6	203,967	1.0064	.64	207,908	214,647	221,604
34	54,917	144,200	135.5	106,420	1.0483	4.83	122,597	155,206	196,488
35	10,816	39,200	127.1	39,842	1.0777	7.77	38,604	56,121	81,780
36			90.6						
37	29,428	(D)	131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Washington

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1) \times 100\%$	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20			123.6						
22			102.4						
26			115.9						
28	9,673	41,100	91.2	45,066	1.1161	11.61	62,655	108,511	187,926
29			157.3						
30			101.2						
32			133.2						
33			144.6						
34	6,220	13,900	135.5	10,258	1.0363	3.63	11,416	13,644	16,067
35			127.1						
36			90.6						
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Wood

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1) \times 100$ %	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20	10,467	34,700	123.6	28,074	1.0730	7.30	34,682	49,329	70,162
22			102.4						
26			115.9						
28			91.2						
29			157.3						
30			101.2						
32			133.2						
33			144.6						
34			135.5						
35			127.1						
35			90.6						
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

PROJECTED COMPOUND AVERAGE ANNUAL INDUSTRIAL GROWTH

URBAN COUNTY: Stark Co.

A	B	C	D	E	F	G	H	I	J
SIC	VALUE ADDED 1958	VALUE ADDED 1972	CONSTANT DOLLAR ADJUSTMENT	VALUE ADDED ADJUSTED 1972	COMPOUND AVG. ANNUAL GROWTH $F = \frac{E}{B}^{(1/14)}$	ANNUAL GROWTH RATE $G = (F - 1) \times 100$ %	PROJECTION 1975 $(1 + G)^3 \times E$	PROJECTION 1980 $(1 + G)^5 \times H$	PROJECTION 1985 $(1 + G)^5 \times I$
20	35,583	85,000	123.6	68,770	1.0481	4.81	79,179	100,144	126,659
22			102.4						
26	4,842	18,500	115.9	15,962	1.0889	8.89	20,609	31,550	48,299
28	11,704	29,000	91.2	18,436	1.0330	3.30	20,322	23,904	28,117
29			157.3						
30	11,058	62,800	101.2	62,055	1.1310	13.10	89,777	166,141	307,460
32	24,581	39,600	133.2	29,641	1.0134	1.34	32,768	35,023	37,433
33	191,038	347,700	144.6	240,456	1.0165	1.65	252,556	274,091	297,462
34	62,396	244,600	135.5	180,516	1.0788	7.88	226,641	331,164	483,891
35	73,186	114,600	127.1	90,165	1.0158	1.58	94,284	101,571	109,421
36			90.6						
37			131.4						

Notes: All dollars are in $1000's
Column D is the Office of Business Research, Department of Commerce, SIC State Specific
All projections of value added are in 1958 constant dollars
1958 and 1972 value added from Census of Manufacturers Volume III

Appendix C

Rural County Point & Area Source Growth Rate and Urban County Area Source Growth Rate Using Total County Population as the Growth Indicator

Actual County Population Totals

County	1970	1971	1972	1973	1974	Average Annual Growth Rate
1. Adams	18,957	19,800	20,500	21,600	22,700	4.02%
2. Allen	111,444	111,100	110,100	109,300	108,800	-.64%
3. Ashland	43,303	43,200	43,800	44,000	44,200	.55%
4. Ashtabula	98,237	100,400	100,300	99,600	99,400	.25%
5. Athens	55,747	57,000	57,000	55,500	53,200	-1.00%
6. Auglaize	38,602	39,200	39,500	40,300	40,700	1.29%
7. Belmont	80,917	83,400	83,000	82,400	82,500	.39%
8. Brown	26,635	27,700	28,800	29,100	29,500	2.48%
9. Butler	226,207	230,100	233,800	238,700	242,300	1.66%
10. Carroll	21,579	22,100	22,600	23,500	24,600	2.93%
11. Champaign	30,491	30,800	30,800	31,600	32,100	1.20%
12. Clark	157,115	160,100	158,000	157,300	155,400	-.29%
13. Clermont	95,372	98,200	99,200	102,400	104,700	2.17%
14. Clinton	31,464	31,600	31,700	32,000	32,300	.62%
15. Columbiana	108,310	109,600	110,200	111,000	110,500	.56%
16. Coshocton	33,486	33,800	34,700	34,800	34,600	.96%
17. Crawford	50,364	51,600	51,100	51,300	50,200	.00%

Actual County Population from Bureau of Census P-26 Series of each year.
Average Annual Growth Rate the product of 1970-1974 population change.

Rural County Point & Area Source Growth Rate and Urban County Area Source Growth Rate Using Total County Population as the Growth Indicator.

Actual County Population Totals

County	1970	1971	1972	1973	1974	Average Annual Growth Rate
18. Cuyohoga	1,720,835	1,711,400	1,670,100	1,645,300	1,620,600	-1.62%
19. Darke	49,141	50,100	51,000	51,800	53,500	1.92%
20. Defiance	36,949	36,900	36,800	36,800	36,400	-.31%
21. Delaware	42,908	43,800	44,500	47,600	50,400	3.55%
22. Erie	75,909	77,100	77,300	77,500	78,000	.62%
23. Fairfield	73,301	75,400	76,900	79,400	82,500	2.67%
24. Fayette	25,461	25,800	26,500	26,300	26,400	.95%
25. Franklin	833,249	851,000	853,900	856,400	859,100	.73%
26. Fulton	33,071	33,900	35,000	35,000	35,500	1.73%
27. Gallia	25,239	26,200	26,700	26,900	27,500	1.97%
28. Geauga	62,977	63,300	63,700	66,000	66,700	1.43%
29. Greene	125.057	126,900	125,800	126,600	126,300	.22%
30. Guernsey	37,665	39,100	39,300	39,300	39,600	1.15%
31. Hamilton	923,840	924,400	914,200	911,500	902,000	-,60%
32. Hancock	61,217	61,700	62,100	62,500	63,500	.83%
33. Hardin	30,813	30,900	32,000	32,300	31,700	1.01%
34. Harrison	17,013	17,200	17,500	17,700	17,400	.77%

Actual County Population from Bureau of Census P-26 Series of each year

Average Annual Growth Rate the product of 1970-1974 population change.

Rural County Point & Area Source Growth Rate and Urban County Area Source Growth Rate Using Total County Population as the Growth Indicator

Actual County Population Totals

County	1970	1971	1972	1973	1974	Average Annual Growth Rate
35. Henry	27,058	27,500	28,100	28,300	28,200	1.13%
36. Highland	28,996	29,700	29,700	30,300	31,000	1.49%
37. Hocking	20,322	20,700	21,300	21,000	21,600	1.36%
38. Holmes	23,024	23,500	24,300	24,500	24,600	1.72%
39. Huron	49,587	50,300	51,000	51,600	52,200	1.25%
40. Jackson	27,174	27,100	27,600	28,500	28,700	1.45%
41. Jefferson	96,193	97,300	96,500	96,000	96,200	-.08%
42. Knox	41,795	41,800	42,700	42,800	43,900	1.13%
43. Lake	197,200	198,200	198,300	201,500	202,200	.64%
44. Lawrence	56,868	58,400	60,400	59,900	60,500	1.53%
45. Licking	107,799	109,700	110,400	110,400	112,100	.86%
46. Logan	35,072	35,700	36,100	36,600	36,600	1.11%
47. Lorain	256,843	259,200	260,100	263,700	265,800	.83%
48. Lucas	483,594	486,900	485,900	485,100	481,600	-.07%
49. Madison	28,318	28,900	29,400	29,700	31,000	1.96%
50. Mahoning	304,545	307,600	304,900	304,400	303,600	-.12%
51. Marion	64,724	66,300	66,400	66,300	66,900	.73%

Actual County Population from Bureau of Census P-26 Series of each year

Average Annual Growth Rate the product of 1970-1974 population change.

Rural County Point & Area Source Growth Rate and Urban County Area Source Growth Rate Using Total County Population as the Growth Indicator

Actual County Population Totals

County	1970	1971	1972	1973	1974	Average Annual Growth Rate
52. Medina	82,717	85,000	86,100	91,200	94,600	3.06%
53. Meigs	19,799	19,900	20,200	20,900	21,500	1.93%
54. Mercer	35,558	35,700	36,500	37,200	37,400	1.34%
55. Miami	84,342	85,400	86,500	87,300	87,200	.90%
56. Monroe	15,739	15,600	15,400	15,900	15,800	.18%
57. Montgomery	608,413	606,000	604,000	595,700	595,400	-.60%
58 Morgan	12,375	13,200	13,600	13,400	13,400	1.93%
59. Morrow	21,348	22,400	23,000	23,500	23,400	2.33%
60. Muskingum	77,826	78,700	80,500	80,400	80,100	.82%
61. Noble	10,428	10,400	10,700	10,700	10,800	.93%
62. Ottawa	37,099	37,500	38,200	39,100	38,400	1.10%
63. Paulding	19,329	19,700	19,800	20,000	20,400	1.19%
64. Perry	27,434	27,900	27,600	29,600	30,000	2.16%
65. Pickaway	40,071	41,400	42,500	42,900	44,000	2.16%
66. Pike	19,114	19,000	20,100	20,000	20,400	1.68%
67. Portage	125,868	128,700	129,300	130,800	131,200	1.02%
68. Preble	34,719	35,800	36,100	35,700	35,900	.76%

Actual County Population from Bureau of Census P-26 Series of each year

Average Annual Growth Rate the product of 1970-1974 population change.

Rural County Point & Area Source Growth Rate and Urban County Area Source Growth Rate Using Total County Population as the Growth Indicator

Actual County Population Totals

	County	1970	1971	1972	1973	1974	Average Annual Growth Rate
69.	Putnam	31,134	31,500	32,100	31,900	32,100	.76%
70.	Richland	129,997	129,500	130,900	130,800	131,200	.26%
71.	Ross	61,211	60,800	61,400	61,400	60,700	-.07%
72.	Sandusky	60,983	60,800	62,300	62,800	61,900	.61%
73.	Scioto	76,951	77,500	79,400	78,700	78,800	.66%
74.	Seneca	60,696	60,400	60,900	61,500	60,700	.16%
75.	Shelby	37,748	37,400	38,300	39,400	40,000	1.49%
76.	Stark	372,210	375,600	372,100	381,700	380,000	.56%
77.	Summit	553,371	551,300	546,800	544,300	540,100	-.61%
78.	Trumbull	232,579	235,500	238,300	237,200	239,300	.67%
79.	Tuscarawas	77,211	78,000	78,100	79,200	79,300	.68%
80.	Union	23,786	25,100	24,700	25,500	25,700	1.76%
81.	Van Wert	29,194	29,100	29,900	30,200	29,100	.34%
82.	Vinton	9,420	9,400	10,000	10,200	10,500	2.58%
83.	Warren	85,505	86,200	86,000	86,900	86,900	.41%
84.	Washington	57,160	57,900	58,300	58,700	59,200	.84%
85.	Wayne	87,123	88,400	89,500	90,500	91,400	1.17%
86.	Williams	33,669	33,800	34,500	34,700	35,000	.99%
87.	Wood	89,722	92,700	94,700	97,600	100,700	2.65%
88.	Wayndot	21,826	22,400	22,600	22,500	22,600	.82%

Actual County Population from Bureau of Census P-26 Series of each year

Average Annual Growth Rate the product of 1970-1974 population change.

APPENDIX D

Determination of Multiple Linear

Regression Coefficients

APPENDIX D

Determination of Multiple Linear Regression Coefficients

$$Y = a\ x + a_2\ x_2 + a_o$$ Calibration Equation

Y - dependent variable

x_1, x_2 - independent variable

a_o, a_1, a_2 - regression coefficients

where

intercept:

$$a_o = \frac{1}{\eta}(\xi\gamma - a_1\ \xi X_1 - a_z \xi X_2)$$

Slopes for point and area sources concentrations:

$$a_1 = \frac{(\xi X_2^2)(\xi X_1 Y) - (\xi X_1 X_2)(\xi X_2 Y)}{A}$$

$$b_1 = \frac{(\xi X_1{}^2)(\xi X_2 Y) - (\xi X_1 X_2)(\xi X_1 Y)}{A}$$

where

$$A = (\xi X_1{}^2)(\xi X_2{}^2) - (\xi X_1 X_2)^2$$

Coefficient of multiple correlation can be expressed as:

$$\Gamma_{1z,X_s} = \sqrt{1 - \frac{S_1{}^2\ 2}{2}}$$

where: standard error of estimate is:

$$S_{1,2}{}^z = \frac{\xi Y^2}{\eta} - a_1\ \frac{\xi Y X_1}{\eta} - a_2\ \frac{\xi Y X_2}{\eta}$$

and the variance of the estimate is:

$$\text{—}^z = \frac{\xi Y^2}{\eta}$$

APPENDIX E

RAM-CDM CROSS REFERENCE

Cleveland

Toledo

Cleveland Area
R1 RAM Region - Lake County P1
RAM No.-CDM No. Source Identifier Cross Reference

CDM#	RAM #
122	1
123	2
125	3'
127	4
128	5
129	6
131	7
184	8
185	9
191	10

Cleveland Area
RAM Region - Cuyahoga County-South R2
RAM No.-CDM No. Source Identifier Cross Reference

CDM #	RAM #
139	1
18	2
24	3
25	4
26	5

Cleveland Area
RAM Region - Lorain County R3
RAM No.-CDM No. Source Identifier Cross Reference

CDM	RAM #	CDM #	RAM #
141	1	165	26
142	2	166	27
143	3	167	28
144	4	168	29
145	5	169	29
146	6	170	31
147	7	171	32
148	8	172	33
149	9	173	34
150	10	174	35
151	11	175	36
152	12	176	37
153	13	177	38
154	14	178	39
132	15	179	40
155	16	180	41
156	17	181	42
157	18	186	43
158	19	187	44
159	20	188	45
160	21	189	46
161	22	190	47
162	23		
163	24		
164	25		

Cleveland Area
RAM Region - Cuyahoga County-West R4
RAM No.-CDM No. Source Identifier Cross Reference

CDM #	RAM #
14	1
15	2
16	3
17	4
43	5
44	6
139	7
140	8
182	9
183	10

Cleveland Area
R5 RAM Region - East Cuyahoga and West Lake Counties R5
RAM No.-CDM No. Source Identifier Cross Reference

CDM #	RAM #
45	1
46	2
13	3
19	4
20	5
28	6
104	7
105	8
106	9
107	10
108	11
109	12
124	13
126	14
133	15
134	16
130	17

Cleveland Area
RAM Region - Cleveland-South R6
RAM No.-Com No. Source Identifier Cross Reference

CDM #	RAM #
11	1
12	2
21	3
22	4
29	5
30	6
42	7
97	8
99	9*
100	9
101	9
102	9
103	9
135	10
136	11
98	12
68	13
72	14
73	15
74	16
75	17
76	18
77	19
78	20
79	21
80	22
82	23
69	24
137	25

*Sources with the same RAM No. have identical stack parameters and were combined in the RAM analysis for computational expediency.

Cleveland Area
RAM Region - Cleveland-North
RAM No.-CDM No. Source Identifier Cross Reference

CDM #	RAM #
1	1
2	2
3	3
4	4
5	5
7	6
9	7
27	8
31	9
32	9
33	9
34	9
35	9
36	9
37	10
38	11
39	12
40	13
41	14
88	15
89	16
90	17
91	18*
92	18
93	18
94	18
95	18
96	18
10	19
47	20

CDM #	RAM #
6	21
8	22
48	23
49	24
50	25*
51	25
52	25
53	26*
54	26
55	27
56	28
57	29*
58	29
59	29
60	29
61	30*
62	30
81	31
83	32
84	33
85	34
86	35
87	36

*Sources with the same RAM No. have identical stack parameters and were combined in the RAM analysis for computational expediency.

Toledo Area
RAM Region - R1

CDM #	RAM #	Facility
1	1	Toledo Edison Bayshore
2	2	" "
3	3	" "
4	4	" "
5	5	" "
10	6	Standard Oil Refinery
11	7	" "
12	8	" "
13	9	" "
14	10	" "
15	11	" "
16	12	" "
17	13	" "
18	14	" "
19	15	" "
20	16	" "
21	17	" "
22	18	" "
23	19	" "
71	20	Coulton Chemical
72	21	" "
73	22	" "
74	23	" "

Toledo Area
RAM Region - R2

CDM #	RAM #	Facility
6	1	Toledo Edison Acme
7	2	" "
8	3	" "
9	4	" "
24	5	Gulf Oil Refinery
25	6	" "
26	7	" "
27	8	" "
28	9	" "
29	10	" "
30	11	" "
31	12	" "
32	13	" "
33	14	" "
34	15	" "
35	16	" "
36	17	" "
37	18	" "
38	19	" "
39	20	" "
40	21	" "
41	22	" "
42	23	" "
43	24	" "
44	25	" "
45	26	" "
63	27	Toledo Edison Water St. Station
64	28	" "
65	29	" "
66	30	" "
67	31	" "
68	32	" "
69	33	" "
70	34	Phillips Petroleum Philblack Plant
75	35	" "
76	36	" "
77	37	" "
78	38	" "
79	39	" "
93	40	Interlake
94	41	" "
95	42	" "
96	43	" "
119	44	Nabisco
120	45	" "
121	46	" "
122	47	" "

Toledo Area
RAM Region - R3

CDM #	RAM #	Facility
80	1	AMC
81	2	"
82	3	"
83	4	"
84	5	"
85	6	"
86	7	"
87	8	"
88	9	"
89	10	"
97	11	Interlake
101	12	General Mills
102	13	"
103	14	"
104	15	Doehler-Javis
105	16	"
106	17	"
107	18	"
108	19	AMC
109	20	"
110	21	Toledo Hospital
111	22	"
112	23	"
113	24	City Auto Stamping
114	25	"
115	26	"
116	27	Mercy Hospital
117	28	"
118	29	"

Toledo Area
RAM Region - R4

CDM #	RAM #	Facility
90	1	Toledo Mental Hospital
91	1	" "
92	2	" "
98, 99	3	Allied Chemical-Plastics
100	3	" "
46	4	Sun Oil Refinery
47	5	" "
48	6	" "
124	7	Seneca Petroleum
134	8	Sun Oil-Cracking Units
135	8	" "
136	8	" "
137	8	" "
138	9	" "
139	10	" "
140	11	LOF
141	11	" "
142	12	" "
143	12	" "
144	13	" "
49	14	Sun Oil Refinery
50	15	" "
51	16	" "
52	17	" "
53	18	" "
54	19	" "
55	20	" "
56	21	" "
57	22	" "
58	23	" "
59	24	" "
60	25	" "
61	26	" "
62	27	" "

APPENDIX F

DELETED

APPENDIX G

AMBIENT AIR QUALITY DATA

Appendix D
Ambient Air Quality Data

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Ambient Air Quality Data (pg. 2)

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G.1. AQCR 079-Metropolitan Cincinnati Interstate

a. Summary of SO_2 Monitoring Sites

1) SO_2 Priority: II

2)

Number of SIP Proposed Sites		Number of Federally Required	
Bubbler	Continuous	Bubbler	Continuous
16	8	2	1

3) Counties in AQCR:- Butler, Clermont, Hamilton and Warren

4) Operating Agencies: Cincinnati. DAPC

5) SO_2 Monitoring Sites:

SAROAD No.	Location	Site Address	Equipment	Data Submitted
BUTLER COUNTY				
36-2700-002-H01	Hamilton	Monument & High	Pararosaniline	72-74
36-4540-001-H01	Middletown	Gerard & Baltimore	Pararosaniline	72
36-4340-004-H01	Middletown	Hook Field	Pararosaniline	73-74
36-5300-001-H01	Oxford	101 E. High St.	Pararosaniline	72-74
CLERMONT COUNTY				
36-1280-002-H01	Batavia	389 Main St.	Pararosaniline	73-74
Site A(CG&E)	Clermont Co.	White Oak Road (6.9 km, 39.8° from Beckjord Plant)	Flame Photometric	74
Site B(CG&E)	Clermont Co.	Gaskin Road (7.1 km, 19.7° from Beckjord Plant)	Flame Photometric	74
HAMILTON COUNTY				
36-1220-001-A01	Cincinnati	800 Vine St.	Pararosaniline	72-74
36-1220-003-A01	Cincinnati	CAMP Central & Ann	Par,Con.Color,	72-73
36-1220-018-H01	Cincinnati	Eden & Bethesda	Cond.,Coul.,Paros.	72-74
36-1220-020-H01	Cincinnati	W. Galbraith Rd.	Paros., Color.	72-74
36-2165-001-H01	Forest Park	Mill & Waycross	Pararosaniline	72-74
36-2720-001-H01	Hamilton Co.	Audro Dr. Monfort	Pararosaniline	72-74
36-2720-003-H01	Addystown	5125 River Road	Pararosaniline	72-74

G.1. AQCR 079 - Metropolitan Cincinnati Interstate

a. Summary of SO_2 Monitoring Sites-(Page 2)

SAROAD No.	Location	Site Address	Equipment	Data Submitted
HAMILTON CO. cont...				
36-3780-001-H01	Maderia	6711 Miami	Pararosaniline	72-74
36-5880-001-H01	St. Bernard	300 Murray Road	Pararosaniline	72-74
Site C(CG&E)	Hamilton Co.	5.32km, 23° from Miami Fort	Flame Photometric	75
Site D(CG&E)	Hamilton Co.	4.90km, 37.5° from Miami Fort	Flame Photometric	75
Kilby Road(CG&E)	Hamilton Co.	11.4km, 7.3° from Miami Fort	Flame Photometric	74-75
Elizabethtown (CG&E)	Hamilton Co.	5.18km, 357° from Miami Fort	Flame Photometric	75
WARREN COUNTY				
36-2200-002-H01	Franklin	Farm Road	Pararosaniline	72-74
36-3400-002-H01	Lebanon	County Home	Pararosaniline	72-74

G.1. AQCR 079 - Metropolitan Cincinnati Interstate (P. 1 of 2)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
BUTLER CO.												
36-2700-002	4363.7	709.8	60	17.9	55	54	1.58	60	19.8	96	67	1.71
36-4340-004	4378.8	724.2	SCNM					54	17.4	59	52	1.55
36-5300-001	4375.6	694.3	59	17.9	63	63	1.60	57	19.0	70	53	1.63
CLERMONT CO.												
36-1280-002	4328.8	744.3	SCNM					59	18.1	86	65	1.64
Beckjord Station (CP + L)												
Site A	4324.5	738.4						SCNM				
Site B	4325.9	736.4						SCNM				
HAMILTON CO.												
36-1220-001	4331.3	715.0	SCNM					SCNM				
36-1220-003	4331.6	714.3	SCNM									
36-1220-018	4335.0	715.5	61	19.9	113	55	1.67	57	19.9	96	95	1.72
36-1220-020	4343.0	717.4	SCNM					SCNM				

SCNM = Sampling Criteria Not Met

G.1. AQCR 079 - Metropolitan Cincinnati Interstate (P. 2 of 2)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
HAMILTON CO. cont.												
36-2165-001	4351.3	712.7	58	13.9	34	30	1.27	60	15.2	55	43	1.42
36-2720-001	4340.6	707.2	60	17.8	54	46	1.56	59	21.9	86	67	1.80
36-2720-003	4333.8	698.2	61	20.8	85	84	1.80	61	24.8	110	85	1.88
36-3780-001	4340.4	727.7	59	16.5	76	49	1.52	59	19.9	134	91	1.72
36-5880-001	4339.5	716.7	61	24.6	123	99	1.90	59	27.0	97	89	1.93
Miami Fort Station Site C	4336.2	692.0										
Site D.	4335.3	692.9										
Kilby Road	4333.6	692.5						SCNM				
Elizabethtown	4317.2	737.9						SCNM				
WARREN CO.												
36-2200-002	4381.5	731.0	60	18.7	105	54	1.65	58	18.3	81	62	1.62
36-3400-002	4731.1	740.5	60	13.6	47	30	1.26	53	14.3	65	34	1.33

SCNM = Sampling Criteria Not Met

G.2. AQCR 103 - Huntington-Ashland-Portsmouth-Ironton

a. Summary of SO_2 Monitoring Sites

1) SO_2 Priority: III

2) Number of SIP Proposed Sites - Number of Federally Required

Bubbler	Continuous	Bubbler	Continuous
3	3	0	0

3) Counties in AQCR: Adams, Gallia, Lawrence, Scioto, Brown

4) Operating Agencies: Portsmouth

5) SO_2 Monitoring Sites:

SAROAD No.	Location	Site Address	Equipment	Data Submitted
ADAMS COUNTY				
36-0040-002-H01	Adams Co.	Manchester	Pararosaniline	73-74
36-0040-007-H01	Adams Co.	Ginger Ridge Rd.	Pararosaniline	74
DP & L #1	Boone	J.M. Stuart 2.4 km, 35° from Plant	Conductimetric	73-74
DP & L #3	Bentonville	J.M. Stuart 13.4 km, 28° from Plant	Conductimetric	73-74
DP & L #4	Manchester	J.M. Stuart 8.7 km, 50° from Plant	Conductimetric	73-74
GALLIA COUNTY				
Kerr	Gallia Co.	Gavin-Kyger-Sporn (OVEC) - 7 mi., 270° from Plant.	Flame Photometric	73-74
LAWRENCE COUNTY				
36-3080-006-H01	Ironton	2120 S. 8th St.	Pararosaniline	73-74
SCIOTO COUNTY				
36-4720-001-H01	New Boston	3940 Gallia St.	Pararosaniline	73-74
36-5620-003-H01	Portsmouth	Sewage Plant	Pararosaniline	73-74
36-5620-007-H01	Portsmouth	740 Second St.	Pararosaniline	74
36-5620-008-H01	Portsmouth	4862 Gallia St.	Pararosaniline	74

G.2. AQCR 103 - Huntington-Ashland-Portsmouth-Ironton

a. Summary of SO_2 Monitoring Sites - Page 2

SAROAD No.	Location	Site Address	Equipment	Data Submitted
KENTUCKY				
DP & L #5	Beechwood	J.M. Stuart 3.9 km, 280° from Plant	Conductimetric	73-74
DP & L #6	Rectorville	J.M. Stuart 8.4 km, 158° from Plant	Conductimetric	73-74
WEST VIRGINIA				
Henderson		Gavin-Kyger-Sporn (AEP) - 9 mi., 203° from Plant	Flame Photometric	73-74

G.2. AQCR 103 - Huntington-Ashland-Portsmouth-Ironton Interstate-(P. 1 of 2)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
ADAMS CO.												
36-0040-002	4285.1	272.8	57	28.8	309	128	2.14	SCNM				
36-0040-007	4276.9	268.3						SCNM				
J.M. Stuart Sta. (DP + L)												
Boone (#1)	4282.2	265.3	8177	52.4	204	165		7026	52.4	236	207	
Bentonville (#3)	4292.0	270.2	8444	26.2	252	194		8435	26.2	264	189	
Manchester(#4)	4285.8	270.6	6929	26.2	105	100		8187	26.2	134	123	
GALLIA CO.												
Gavin-Kyger-Sporn(OVEC)												
Kerr	4307.7	390.8						8240	39.3	382	215	2.46
LAWRENCE CO.												
36-3080-006	4253.4	387.3	58	21.0	301	71	1.76	58	18.3	79	79	1.63

G.2. AQCR 103 - Huntington-Ashland-Portsmouth-Ironton Interstate (P. 2 of 2)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
SCIOTO COUNTY												
36-4720-001	4290.9	331.8	59	28.8	429	162	2.08	57	31.4	270	230	2.28
36-5620-003	4288.5	328.3	56	18.3	183	178	1.66	SCNM				
36-5620-007	4287.8	328,0						53	18.3	144	97	1.68
36-5620-008	4291.0	332.0						55	20.9	136	92	1.77
KENTUCKY												
J.M. Stuart Sta. (DP + L)												
Beachwood (#5)	4280.9	260.1	8287	26.2	128	115		8453	26.2	244	186	
Rectorville (#6)	4272.4	267.9	8328	52.4	225	212		8574	52.4	134	118	
WEST VIRGINIA												
Gavin-Kyger-Sporn (AEP)												
Henderson	4394.3	396.6						7977	39.3	183	157	1.99

G.3. AQCR - 124 - Metropolitan Toledo Interstate

a. Summary of SO_2 Monitoring Sites

1) SO_2 Priority: I

2) Number of SIP Proposed Sites - Number of Federally Required

SIP Proposed Sites		Federally Required	
Bubbler	Continuous	Bubbler	Continuous
5	7	5	2

3) Counties in AQCR: Lucas Co., Monroe Co. (Mich.), Wood

4) Operating Agencies: Toledo Pollution Control, OEPA (NWDO), State of Michigan

5) SO_2 Monitoring Sites

SAROAD No.	Location	Site Address	Equipment	Data Submitted
LUCAS CO.				
36-5200-001-H01	Oregon	4421 Bayshore	Conductimetric	72-74
36-6600-001-A01 (P01)	Toledo	635 Erie	Pararosaniline	72-73
36-6600-006-H01	Toledo	26 Main St.	Cond,Col,Fl. Ph.,Paros.	73-74 72-74
36-6600-007-H01	Toledo	545 N. Huron	Cond., Paros.	72-74
36-6600-009-H01	Toledo	2754 Laskey Rd.	Conductimetric	72-74
36-6600-081-H01	Toledo	Friendship Park	Pararosaniline	74
Site A	Toledo Edison	Water Street	Conductimetric	72-74
MONROE CO., MICHIGAN				
23-3580-020	Monroe	100 W. Elm St.	Coulometric	72-74
23-3580-021	Monroe	800 E. Newport Rd.	Coulometric	72-74
23-3580-022	Monroe	1319 E. Front St.	Coulometric	74
23-3600-008	Dundee	160 Main Street	Pararosaniline	72-74

G.3. AQCR 124- Metropolitan Toledo Interstate (P. 1 of 2)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
LUCAS COUNTY												
36-5200-001	4618.2	296.7	7736	88.5	649	461	1.89	SCNM				
36-6600-001	4614.6	288.9	24	14.3	36	31	1.32	SCNM				
36-6600-006	4613.5	289.3	5623	94.0	333	319	1.74	SCNM				
36-6600-007	4614.5	289.2	8414	41.6	236	178	2.56	61	23.6	134	94	1.81
36-6600-009	4620.3	283.0	5872	73.6	367	314	2.19	SCNM				
36-6600-081	4621.2	294.0						59	28.8	128	128	1.98
Toledo Edison Water Street	4614.0	285.0	41	42.1	168	141		SCNM				
MICHIGAN MONROE COUNTY												
23-3580-020	4643.3	300.5	6997	41.0	197	169	2.25	SCNM				
23-3580-021	4653.1	304.0	7315	33.5	224	138	2.17	SCNM				
23-3580-022	4642.4	302.6						SCNM				

SCNM = Sampling Criteria Not Met

G.3. AQCR 124 - Metropolitan Toledo Interstate (P. 2 of 2)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
MONROE COUNTY cont.												
23-3600-008	4648.3	279.8	59	14.9	84	33	1.33	23	18.5	66	63	1.63

G.4. AQCR 173 - Metropolitan Dayton Intrastate

a. Summary of SO_2 Monitoring Sites

1) SO_2 Priority: II

2) Number of SIP Proposed Sites - Number of Federally Required

Bubbler	Continuous	Bubbler	Continuous
18	1	3	1

3) Counties in AQCR: Clark, Darke, Green, Miami, Montgomery & Preble

4) Operating Agencies: Regional Air Pollution Control Agency

5) SO_2 Monitoring Sites

SAROAD No.	Location	Site Address	Equipment	Data Submitted
CLARK COUNTY				
36-6380-001-G01	Springfield	350 N. Fountain	Paros,Coul,Col.	72-74
36-6380-002-G01	Springfield	1918 Mechanicsburg	Pararosaniline	72-74
36-6380-003-G01	Springfield	2430 Van Buren	Pararosaniline	72-74
36-6380-004-G01	Springfield	301 S. Fountain	Coulometric	73-74
DARKE COUNTY				
36-2640-001-G01	Greenville	200 E. 3rd. St.	Pararosaniline	73-74
GREENE COUNTY				
36-2040-001-G01	Yellow Springs	Ironwood & Dayton	Pararosaniline	72-74
36-2040-002-G01	Fairborn	2888 Karl Pl.	Pararosaniline	73
36-7670-001-G01	Wood City	WPAFB	Pararosaniline	72 -74
36-7720-001-G01	Xenia	1157 Monroe Dr.	Pararosaniline	72-74
MIAMI COUNTY				
36-5520-003-G01	Piqua	227 W. Water St.	Pararosaniline	72-74
36-5520-002-G01	Piqua	E. Highway #36	Colorimetric	73-74
36-6680-001-G01	Troy	110 Market	Pararosaniline	72-74

G.4. AQCR 173 - Metropolitan Dayton Intrastate

a. Summary of SO_2 Monitoring Sites -(Page 2)

SAROAD No.	Location	Site Address	Equipment	Data Submitted
MONTGOMERY COUNTY				
36-1660-001-A01	Dayton	101 W. 3rd St.	Pararosaniline	72-74
36-1660-015-G01	Dayton	214 Valley St.	Pararosaniline	72-74
36-1660-017-G01	Dayton	317 Abbey Street	Pararosaniline	72-74
26-1660-018-G01	Dayton	140 Monument	Colorimetric	72-74
36-1660-019-G01	Dayton	2100 Timberlane	Colorimetric	72-74
36-1660-025-G01	Dayton	451 W. 3rd St.	Colorimetric	74
36-4280-001-G01	Miamisburg	109 E. Central	Pararosaniline	72-74
36-4280-002-G01	Miamisburg	540 Richard	Pararosaniline	74
36-4500-001-G01	Montgomery	1791 Harshman	Colorimetric	74
36-4550-001-G01	Moraine	2728 Viking Lane	Pararosaniline	72-74
PREBLE COUNTY				
36-1940-001-G01	Eaton	E. Sinclair	Pararosaniline	73-74

G.4. AQCR 173 - Metropolitan Dayton Intrastate (P. 1 of 3)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	ANNUAL ARITH. MEAN	24-HR. MAX.	24-HR. 2nd MAX.	GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	ANNUAL ARITH. MEAN	24-HR. MAX.	24-HR. 2nd MAX.	GEOM. STD. DEV.
CLARK COUNTY												
36-6300-001	4423.5	259.9	SCNM					57	36.1	211	137	2.14
36-6300-002	4425.3	263.8	58	41.8	469	276	2.54	57	19.5	90	90	1.70
36-6300-003	4421.8	263.0	59	29.7	471	204	2.13	55	24.3	215	71	1.92
36-6300-004	4422.5	259.8	SCNM					SCNM				
DARKE COUNTY												
36-2640-001	4441.7	701.9	44	30.9	136	133	2.26	58	29.9	139	121	2.15
GREENE COUNTY												
36-2980-001	4408.8	754.6	54	25.2	369	146	1.96	57	21.9	72	64	1.81
36-2980-002	4406.6	753.6	SCNM									
36-7670-001	4411.2	754.2	SCNM					52	39.5	217	139	2.27
36-7720-001	4398.4	249.0	57	38.2	376	192	2.49	57	21.8	87	86	1.82

SCNM - Sampling Criteria Not Met

4. AQCR 173 - Metropolitan Dayton Intrastate (P. 2 of 3)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	ANNUAL ARITH. MEAN	24-HR. MAX.	24-HR. 2nd MAX.	GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	ANNUAL ARITH. MEAN	24-HR. MAX.	24-HR. 2nd MAX.	GEOM. STD. DEV.
MIAMI COUNTY												
36-5520-003	4446.6	734.9	57	45.6	470	276	2.68	59	23.0	81	81	1.87
36-5520-002	4446.9	735.8	SCNM					SCNM				
36-4480-001	4435.5	738.5	53	35.8	481	182	2.38	60	21.9	103	89	1.83
MONTGOMERY COUNTY												
36-1660-001	4404.6	740.4	SCNM					SCNM				
36-1660-015	4405.9	741.9	56	82.5	789	438	3.20	54	49.0	205	181	2.64
36-1660-017	4402.2	736.3	51	19.7	135	91	1.74	61	18.1	76	67	1.64
36-1660-018	4405.2	760.7	5132	58.6	225	184	2.25	SCNM				
36-1660-019	4410.7	740.2	SCNM					SCNM				
36-1660-025	4404.5	739.8						SCNM				
36-4230-001	4391.3	732.8	55	30.8	153	148	2.25		SCNM			

b. SO_2 MONITORING DATA SUMMARY

SAMPLING SITE NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
MONTGOMERY CO. cont.												
36-4280-002	4392.3	733.4						56	30.1	121	117	2.11
36-4500-001	4408.5	746.0						SCNM				
36-4550-001	4399.5	738.8	55	28.0	209	198	2.10	60	24.0	91	85	1.90
PREBLE COUNTY												
36-1940-001	4401.5	702.7	41	35.1	198	192	2.37	59	30.9	139	133	2.12

G.5. AQCR 174 - Metropolitan Cleveland Intrastate

a Summary of SO_2 Monitoring Sites

1) SO_2 Priority: I

2) Number of SIP Proposed Sites - Number of Federally Required

SIP Proposed Sites		Federally Required	
Bubbler	Continuous	Bubbler	Continuous
22	6	11	6

3) Counties in AQCR: Cuyahoga, Geauga, Lake, Lorain, Medina, Portage, Stark & Summit.

4) Operating Agencies: Lake Co. Lorain, Akron, Canton, Cleveland DAPC

5) SO_2 Monitoring Sites

SAROAD No.	Location	Site Address	Equipment	Data Submitted
CUYAHOGA COUNTY				
36-1300-001-A01	Cleveland	8911 Euclid Ave	Pararosaniline	72-73
36-1300-001-H01	Cleveland	8911 Euclid Ave.	Pararosaniline	72-74
36-1300-001-P01	Cleveland	8911 Euclid Ave.	Pararosaniline	73-74
36-1300-003-H01	Cleveland	East 152 & St. Clair	Pararosaniline	72-74
36-1300-005-H01	Cleveland	3701 E. 77th & Marble	Pararosaniline	72-74
36-1300-006-H01	Cleveland	17100 Harvard	Pararosaniline	72-74
36-1300-007-H01	Cleveland	16210 Lorain Ave.	Pararosaniline	72-74
36-1300-008-H01	Cleveland	4749 Broadway	Pararosaniline	72-74
36-1300-008-H05	Cleveland	4749 Broadway	Pararosaniline	74
36-1200-009-H01	Cleveland	West 25th & Denison	Pararosaniline	72-74
36-1200-010-H01	Cleveland	4125 Fulton	Pararosaniline	72-74
36-1300-011-H01	Cleveland	1910 W. Blvd.	Pararosaniline	72-74
36-1300-012-H01	Cleveland	E. 55th & St. Clair	Pararosaniline	74
36-1300-012-H05	Cleveland	E. 55th & St. Clair	Pararosaniline	74
36-1300-013-H01	Cleveland	2785 Broadway	Paros.,Color.	72-74
36-1300-013-H02	Cleveland	2785 Broadway	Colorimetric	73
36-1300-013-H05	Cleveland	2785 Broadway	Pararosaniline	74

G.5. AQCR 174 - Metropolitan Cleveland Intrastate

a. Summary of SO_2 Monitoring Sites (Page 2)

SAROAD No.	Location	Site Address	Equipment	Data Submitted
CUYAHOGA CO. cont.				
36-1300-017-H01	Cleveland	E. 105th & Superior	Pararosaniline	72-74
36-1300-020-H01	Cleveland	W. 98th St. & Almira	Pararosaniline	72
36-1300-021-H01	Cleveland	5100 Biddulph	Pararosaniline	72-74
36-1300-026-H01	Cleveland	4150 E. 49th St.	Pararosaniline	72-74
36-1300-026-H05	Cleveland	4150 E. 49th St.	Pararosaniline	74
36-1300-027-H01	Cleveland	2200 W. 28th St.	Pararosaniline	72-74
36-1300-027-H05	Cleveland	2200 W. 49th St.	Pararosaniline	74
36-1300-029-H01	Cleveland	1365 E. 12th St.	Pararosaniline	72-74
36-1300-031-H01	Cleveland	2600 Hamilton	Colorimetric	72-73
36-1300-033-H01	Cleveland	E. 22nd & Woodland	Col.,Coul.,Paros.	72-74
36-1300-080-A05	Cleveland	E. 22nd & Woodland	Colorimetric	72
GEAUGA COUNTY				
36-1160-001-G01	Chardon	151 Chardon	Pararosaniline	72-74
36-2380-002-G03	Geauga Co.	9421 Bainbridge	Pararosaniline	73-74
LAKE COUNTY				
36-7380-001-G02	Wickliffe	29240 Euclid	Pararosaniline	72-74
36-7480-001-G02	Willowick	301 E. 29 3rd St.	Pararosaniline	73-74
Site A	Diamond Shamrock	Brine Resevoir	Pararosaniline	72-74
Site B	Diamond Shamrock	Tech Center	Pararosaniline	72-74
Site C	Diamond Shamrock	West	Pararosaniline	73-74
Site D.	Diamond Shamrock	East	Pararosaniline	72-74
Site E	Diamond Shamrock	Upstream	Pararosaniline	73-74

G.5. AQCR 174 - Metropolitan Cleveland Intrastate

a. Summary of SO_2 Monitoring Sites (Page 3)

SAROAD No.	Location	Site Address	Equipment	Data Submitted
LORAIN COUNTY				
36-3620-002-H02	Lorain	Palm Ave. & 31 St.	Pararosaniline	73-74
36-3620-004-H01	Lorain	329 10th St.	Pararosaniline	73-74
36-3620-005-H01	Lorain	329 10th St.	Pararosaniline	73
36-3620-007-H02	Lorain	300 Longfellow Pk.	Pararosaniline	73-74
36-3620-010-H02	Lorain	200 W. Erie St.	Coulometric	74
36-3620-012-H02	Lorain	200 W. Erie St.	Pararosaniline	74
MEDINA COUNTY				
36-4140-001-H01	Medina	County Court House	Pararosaniline	74
PORTAGE COUNTY				
36-5680-001-H01	Ravenna	County Court House	Pararosaniline	72-74
STARK COUNTY				
36-0100-001-H02	Alliance	321 N. Franklin	Pararosaniline	72-74
36-1000-001-A01	Canton	City Hall	Pararosaniline	72
36-1000-001-H02	Canton	City Hall	Paros., Coul.	72-74
36-1000-001-P01	Canton	City Hall	Pararosaniline	73
36-1000-003-H02	Canton	2710 Coventry	Pararosaniline	72-74
36-1000-008-H01	Canton	3900 Frazer Ave.	Pararosaniline	72-74
36-1000-014-H02	Canton	1379 Garfield	Pararosaniline	72-74
36-4040-001-H02	Massillon	340 1st St.	Pararosaniline	74
36-6400-001-H03	Stark County	5300 Richville	Pararosaniline	72-74
36-6400-002-H03	Stark County	6355 Reno NE	Pararosaniline	72-74

G.5. AQCR 174 - Metropolitan Cleveland Intrastate

a. Summary of SO_2 Monitoring Sites (Page 4)

SAROAD No.	Location	Site Address	Equipment	Data Submitted
SUMMIT COUNTY				
36-0060-001-A01	Akron	821 Coburn St.	Pararosaniline	72-73
36-0060-002-H01	Akron	2140 13th Street	Pararosaniline	72-74
36-0060-003-H01	Akron	333 Rampart Ave.	Pararosaniline	73
36-0060-004-H01	Akron	985 Gorge Blvd.	Pararosaniline	72-74
36-0060-005-H01	Akron	166 S. High St.	Pararosaniline	72-73
36-0060-006-H01	Akron	80 Brittain Rd.	Pararosaniline	72-74
36-0060-013-H01	Akron	E. Exchange St.	Conductimetric	72-74
36-0060-014-H01	Akron	177 S. Broadway	Pararosaniline	72-74
36-0060-014-P01	Akron	177 S. Broadway	Pararosaniline	73-74
36-0360-001-H01	Barberton	489 Hopocan	Pararosaniline	72-74

U.S. AQCR 174 - Metropolitan Cleveland Intrastate (P. 1 of 6)

b. SO_2 MONITORING DATA SUMMARY

LAWGAS NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
CUYAHOGA COUNTY												
36-1300-001	4594.7	447.9	63	45.4	131	108	2.13	68	57.1	181	147	2.11
36-1300-003	4600.1	452.1	60	22.6	113	102	1.86	54	40.0	136	114	2.18
36-1300-005	4589.3	446.4	78	46.9	184	152	2.18	81	42.3	147	140	2.09
36-1300-006	4588.6	452.9	66	33.2	136	109	2.09	SCNM				
36-1300-007	4589.0	432.0	76	34.8	184	128	2.22	45	33.7	176	169	2.21
36-1300-008	4591.3	445.1	71	60.5	187	161	2.25	70	82.4	235	193	2.40
36-1300-009	4588.7	441.4	86	49.5	227	181	2.47	71	51.1	276	173	2.40
36-1300-010	4588.1	439.6	73	43.6	317	184	2.36	74	34.0	185	150	2.09
36-1300-011	4592.0	437.2	81	49.4	239	215	2.39	72	48.6	167	147	2.35
36-1300-012	4396.8	445.6	78	42.1	179	119	2.16	78	68.5	255	244	2.20
36-1300-013	4592.4	433.8	68	53.4	259	208	2.36	73	77.0	356	238	2.61
36-1300-017	4596.6	448.6	71	45.5	174	164	2.21	55	52.0	170	149	2.36

SCNM - Sampling Criteria Not Met

U.S. AQCR 174 - Metropolitan Cleveland Intrastate (P. 2 of 6)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
CUYAHOGA CO. cont.												
36-1300-021	4586.6	439.7	78	43.2	241	202	2.22	59	42.1	149	132	2.15
36-1300-024	4591.5	449.1	69	41.3	140	134	2.20	SCNM				
36-1300-026	4588.2	444.8	74	78.3	414	212	2.56	70	84.1	289	287	2.54
36-1300-027	4592.2	441.2	81	50.3	198	173	2.43	73	62.4	255	211	2.49
36-1300-029	4594.8	442.6	66	48.3	204	194	2.28	72	73.1	413	334	2.70
36-1300-033	4593.5	443.5	71	37.6	245	122	2.28	67	84.0	312	296	2.47
36-1300-033	4593.5	443.5						6265	99.5	513	325	2.36
LORAIN COUNTY												
36-1160-001	4604.1	486.8	50	23.5	95	81	1.83	58	28.8	164	100	2.04
36-2300-002	4581.6	474.4	SCNM					61	47.6	217	183	2.52
LAKE COUNTY												
36-1000-002	4610.8	463.5	60	37.3	177	124	2.37	54	39.7	208	123	2.28

b. SO_2 MONITORING DATA SUMMARY

SAMPLING NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
LAKE COUNTY cont.												
36-3200-001	4629.7	494.8	SCNM									
36-3200-002	4514.8	485.8						SCNM				
36-3200-003	4621.8	483.7	60	48.9	156	155	2.01	56	30.8	161	112	2.15
36-3200-004	4624.2	496.2	57	35.9	190	113	2.13	SCNM				
36-5320-002	4618.7	479.8	62	58.2	175	152	2.05	SCNM				
36-7300-001	4605.9	460.5	54	25.3	89	88	1.94	56	38.8	163	131	2.27
36-7400-001	4608.7	460.2	SCNM					51	42.1	174	121	2.40
Diamond Shamrock Corp.												
Orion Resvoir	4621.6	478.7	SCNM					144	41.6	143	128	
Tech Center	4621.8	477.6	SCNM					143	28.7	345	137	
West	4622.8	477.7	SCNM					145	43.1	198	131	
East	4623.1	480.0	SCNM					141	60.8	308	288	

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
Diamond Shamrock cont.												
Upstream	4622.0	479.7	SCNM					141	36.8	173	162	
LORAIN COUNTY												
36-3629-002	4587.7	406.7	SCNM									
36-3629-004	4590.4	400.8	SCNM					SCNM				
36-3629-005	4580.4	400.8	SCNM									
36-3629-007	4591.7	403.5	SCNM									
36-3630-010	4591.8	400.7						SCNM				
36-3629-012	4591.8	400.7						SCNM				
MEDINA COUNTY												
36-4180-001	4553.7	427.2						SCNM				
PORTAGE COUNTY												
36-5680-001	4555.9	479.5	55	32.3	126	114	2.22	56	19.9	77	76	1.71

U.S. AQCR 124 - Metropolitan Cleveland Intrastate (P. 5 of 6)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	ANNUAL ARITH. MEAN	24-HR. MAX.	24-HR. 2nd MAX.	GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	ANNUAL ARITH. MEAN	24-HR. MAX.	24-HR. 2nd MAX.	GEOM. STD. DEV.
CUYAHOGA COUNTY												
36-0300-001	4530.5	492.2						51	44.5	170	160	2.18
36-0300-003	4516.0	468.3	30	15.7	42	39	1.45	56	21.0	100	52	1.69
36-0300-003	4520.0	471.1	31	28.8	113	94	2.13	56	23.6	136	73	1.80
36-0300-008	4522.8	468.3	SCNM					52	23.6	86	66	1.82
36-0300-014	4515.5	464.1	30	39.3	126	73	1.99	58	18.3	94	66	1.52
36-0480-001	4516.0	456.4						52	36.7	157	141	2.08
36-6800-001	4512.2	461.3	30	26.2	115	76	2.03	49	21.0	86	73	1.77
36-6800-002	4521.9	476.8	31	23.6	65	65	1.80	57	18.3	73	66	1.56
SUMMIT COUNTY												
36-0060-001	4549.8	455.7	SCNM									
36-0060-002	4544.0	453.1	57	54.4	300	200	2.37	59	44.5	169	123	2.19
36-0060-003	4551.7	452.0	SCNM									

U.S. AQCR 178 - Metropolitan Cleveland Intrastate (P. 6 of 6)

b. SO_2 MONITORING DATA SUMMARY

SAMPLING ID	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	ANNUAL ARITH. MEAN	24-HR. MAX.	24-HR. 2nd MAX.	GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	ANNUAL ARITH. MEAN	24-HR. MAX.	24-HR. 2nd MAX.	GEOM. STD. DEV.
SUMMIT COUNTY cont.												
36-0060-004	4550.3	456.9	58	71.1	200	155	2.26	53	41.9	111	105	2.22
36-0060-005	4547.6	456.5	SCNM									
36-0060-006	4545.8	460.7	58	42.2	155	136	2.38	56	26.8	148	109	2.00
36-0060-012	4547.6	456.^	6708	55.4	132	110	3.36	SCNM				
36-0060-014	4547.6	456.6	51	43.5	136	130	2.40	45	52.9	150	140	2.41
36-0360-001	4540.7	448.9	54	40.0	190	177	2.49	56	28.9	114	108	2.09

G.6. AQCR - 175 - Mansfield - Marion Intrastate

a. Summary of SO_2 Monitoring Sites

1) SO_2 Priority: II

2) Number of SIP Proposed Sites - Number of Federally Required

Bubbler	Continuous	Bubbler	Continuous
3	1	3	1

3) Counties in AQCR: Ashland, Crawford, Holmes, Knox, Marion, Morrow, Richland, Wayne, Wyandot

4) Operating Agencies: Mansfield, NEDO, NWDO

5) SO_2 Monitoring Sites

SAROAD No.	Location	Site Address	Equipment	Data Submitted
WAYNE COUNTY				
36-7160-001-H03	Doylestown	Harvey Shcool	Pararosaniline	72-74
PACKAGING CORPORATION - MORTON SALT				
36-5780-001-J02		Benner Rd. and Route 94	Pararosaniline	74-75
36-5780-002-J02		Doylestown Road	Pararosaniline	74-75
36-5780-003-J02		Industrial St.	Pararosaniline	74-75
36-5780-004-J02		30 N. Main St. (City Hall)	Pararosaniline	74-75
36-5780-065-J02		Metzger Avenue (Water Tower)	Pararosaniline	74-75
36-5780-006-J02		E. Sunset Drive (American Legion)	Pararosaniline	74-75

G.6. AQCR 175- Mansfield-Marion Intrastate (P. 1 of 1)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
WAYNE COUNTY												
36-7160-001	4535.8	441.2	60	24.3	103	94	1.90	SCNM				
36-5780-001	4536.1	436.8						235	26.3	141	121	1.92
36-5780-002	4535.7	435.0						236	21.9	103	98	1.71
36-5780-003	4535.9	434.3						236	27.0	153	153	1.94
36-5780-004	4536.1	433.1						137	24.3	145	122	1.88
36-5780-005	4533.7	434.1						195	35.3	333	314	2.24
36-5780-006	4536.7	434.9										

SCNM = Sampling Criteria Not Met

G.7. AQCR - 176 - Metropolitan Columbus Intrastate

a. Summary of SO_2 Monitoring Sites

1) SO_2 Priority: III

2) Number of SIP Proposed Sites - Number of Federally Required

Bubbler	Continuous	Bubbler	Continuous
6	3	1	0

3) Counties in AQCR: Delaware, Fairfield, Franklin, Licking, Madison, Perry, Pickaway and Union

4) Operating Agencies: OEPA (CDO)

5) SO_2 Monitoring Sites

SAROAD No.	Location	Site Address	Equipment	Data Submitted
FRANKLIN COUNTY				
36-1460-001-A01	Columbus	181 S. Washington	Pararosaniline	72-73
36-1460-001-F01	Columbus	181 S. Washington	Paros., Coul.	73-74
36-1460-001-P01	Columbus	181 S. Washington	Pararosaniline	73-74
36-1460-010-F02	Columbus	1780 Windsor	Coulometric	72-73
36-1460-010-F01	Columbus	1780 Windsor	Pararosaniline	74
36-1460-012-F01	Columbus	Fairground	Pararosaniline	74
36-1460-015-F01	Columbus	395 E. Capital	Pararosaniline	74
PICKAWAY COUNTY				
Pickaway Plant	Pickaway Co.	Lockbourne	Flame Photometric	73-74

G.7. AQCR 176 - Columbus Intrastate (P. 1 of 1)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
FRANKLIN COUNTY												
36-1460-001	4425.8	329.2	SCNM					6745	34.0	113	99	1.97
36-1460-010	4429.1	332.5	SCNM					SCNM				
36-1460-012	4429.4	329.4						SCNM				
36-1460-015	4425.2	329.8						SCNM				
PICKAWAY COUNTY												
Pickaway Plant (C&SOE)												
Lockbourne			187	52.4	545	385		180	33.6	328	257	

SCNM = Sampling Criteria Not Met

G.8. AQCR 177 - Northwest Ohio Intrastate

a. Summary of SO_2 Monitoring Sites

1) SO_2 Priority: I

2) Number of SIP Proposed Sites - Number of Federally Required

Bubbler	Continuous	Bubbler	Continuous
5	2	5	2

3) Counties in AQCR: Allen, Auglaize, Champaign, Defiance, Fulton, Hancock, Hardin, Henry, Logan, Mercer, Paulding, Putnam, Shelby, Van Wert, Williams

4) Operating Agencies: OEPA (NWDO, SWDO)

5) SO_2 Monitoring Sites

SAROAD No.	Location	Site Address	Equipment	Data Submitted
ALLEN COUNTY				
36-3460-001-F01	Lima	E. Market & Central	Pararosaniline	75
DEFIANCE COUNTY				
36-1700-001-F01	Defiance	1206 E. 2nd St.	Pararosaniline	75
HANCOCK COUNTY				
36-2160-001-F01	Findlay	720 S. Main	Pararosaniline	75
HENRY COUNTY				
36-4660-001-G01	Napoleon	703 W. Perry St.	Pararosaniline	75
36-4660-002-F01	Napoleon	Haller Memorial Hospital	Coulometric	75

G.8. AQCR 177 - Northwest Ohio Intrastate (P. 1 of 1)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
ALLEN COUNTY												
36-3460-001	4513.8	744.7										
DEFIANCE COUNTY												
36-1700-001	4573.5	722.6										
HANCOCK COUNTY												
36-2160-001	4545.7	277.2										
HENRY COUNTY												
36-4660-001	4585.9	740.4										
36-4660-002	4586.0	740.3										

G. 9. AQCR - 178 - Northwest Pennsylvania-Youngstown Ohio

a. Summary of SO_2 Monitoring Sites

1) SO_2 Priority: II

2) Number of SIP Proposed Sites - Number of Federally Required

Bubbler	Continuous	Bubbler	Continuous
5	2	1	0

3) Counties in AQCR: Ashtabula, Mahoning, Trumbull

4) Operating Agencies: Mahoning- Trumbull, OEPA (NEDO)

5) SO_2 Monitoring Sites

SAROAD No.	Location	Site Address	Equipment	Data Submitted
MAHONING COUNTY				
36-0960-001-I01	Campbell	City Hall	Pararosaniline	73-74
36-7760-001-A01	Youngstown	C.H. Boardman & Phelps	Pararosaniline	72-73
36-7760-001-P01	Youngstown	C.H. Boardman & Phelps	Pararosaniline	73-74
36-7760-003-I01	Youngstown	Fire Station #13	Pararosaniline	74
36-7760-004-I01	Youngstown	Fire Station #9	Pararosaniline	74
36-7760-006-I02	Youngstown	Superior & Oakland	Pararosaniline	73-74
36-7760-007-I01	Youngstown	Central Tower	Colorimetric	73-74
TRUMBULL COUNTY				
36-7020-001-H01	Warren	160 High Street	Pararosaniline	74
36-7020-002-I01	Warren	1700 Atlantic	Pararosaniline	73-74
36-7020-004-I01	Warren	141 South Street	Pararosaniline	74

G.9. AQCR 178- Northwest Pennsylvania-Youngstown, Ohio (P. 1 of 1)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
MAHONING COUNTY												
36-0960-001	4546.9	534.0	SCNM					61	122.3	393	333	1.94
36-7760-001	4549.6	529.2	SCNM					SCNM				
36-7760-003	4546.8	527.3						SCNM				
36-7760-004	4545.3	531.8						SCNM				
36-7760-006	4551.5	427.7	SCNM					57	124.9	497	359	2.23
36-7760-007	4549.7	529.4	SCNM					8486	93.7	479	285	2.64
TRUMBULL COUNTY												
36-7020-001	4564.9	515.1						SCNM				
36-7070-002	4565.8	517.1	SCNM					58	52.8	239	198	1.95
36-7020-004	4564.6	515.3						SCNM				

SCNM = Sampling Criteria Not Met

G.10 AQCR 179 - Parkersburg West Virginia-Marietta, Ohio

a. Summary of SO_2 Monitoring Sites

1) SO_2 Priority: I

2) Number of SIP Proposed Sites - Number of Federally Required

SIP Proposed Sites		Federally Required	
Bubbler	Continuous	Bubbler	Continuous
1	4	1	0

3) Counties in AQCR: Athens, Meigs, Morgan, Washington

4) Operating Agencies: OEPA (SEDO)

5) SO_2 Monitoring Sites

SAROAD No.	Location	Site Address	Equipment	Data Submitted
ATHENS COUNTY				
Poston Plant (C&SOE)				
EMS 1	2.1km, 85° from plant		Flame Photometric	73-74
Gavin-Kyger-Sporn Plant (OVEC)				
Coolville	26 miles, 22.5° from plant		Flame Photometric	73-74
MEIGS COUNTY				
Gavin-Kyger-Sporn Plant				
Wolfpen	11 miles, North of plant		Flame Photometric	73-74
Five Points	16 miles, 45° from plant		Flame Photometric	73-74
Dorcas	16.5 miles, 67.5° from plant		Flame Photometric	73-74
MORGAN COUNTY				
Muskingum Plant (AEP)				
Hackney	4.27km, 39° from plant		Conductimetric	74
WASHINGTON COUNTY				
Muskingum Plant (AEP)				
Beverly	55.22km, 141° from plant		Conductimetric	73-74
WEST VIRGINIA				
Gavin-Kyger-Sporn Plant (OVEC)				
Lakin	4 miles, 22.5° from plant		Flame Photometric	73-74
Mason	9.5 miles, 45° from plant		Flame Photometric	73-74
New Haven	5 miles, 67.5° from plant		Flame Photometric	73-74

G.10 AQCR 179 - Parkersburg West Virginia-Marietta, Ohio

a. Summary of SO_2 Monitoring Sites - (page 2)

SAROAD No.	Location	Site Address	Equipment	Data Submitted
WEST VIRGINIA cont.				
Gavin-Kyger-Sporn Plant (OVEC) cont.				
Mount Alto	14 miles, 135° from plant		Flame Photometric	73-74
Neptune	24 miles, 45° from plant		Flame Photometric	73-74

G.10 AQCR 179 Parkersburg, West Virginia-Marietta, Ohio Interstate (P. 1 of 2)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
ATHENS COUNTY												
Poston Plant (C&SOE)												
EMS 1	4358.8	400.5	SCNM					SCNM				
Gavin-Kyger-Sporn Plant(OVEC)												
Coolville	4346.4	418.1						8065	52.4	243	238	1.97
MEIGS COUNTY												
Gavin-Kyger-Sporn Plant(OVEC)												
Wolfpen	4325.4	402.1						7405	44.5	196	194	2.33
Five Points	4325.9	420.3						5560	31.4	136	86	1.97
Dorcas	4317.9	427.6						7899	44.5	202	196	1.95
MORGAN COUNTY												
Muskingum Plant(AEP)												
Hackney	4385.6	444.3						6496	28.8	188	138	2.68
WASHINGTON COUNTY												
Muskingum Plant(AEP)												
Beverly	4378.2	441.9						7355	28.8	350	198	2.84

SCNM = Sampling Criteria Not Met

G.10.AQCR 179 Parkersburg, West Virginia- Marietta,Oh Interstate (P. 2 of 2)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
WEST VIRGINIA												
Gavin-Kyger-Sporn Plant(OVEC)												
Lakin	4313.7	404.6						8003	41.9	230	207	2.00
Mason	4318.5	412.9						5646	47.1	225	209	2.06
New Haven	4310.8	409.5						7316	39.3	243	165	1.91
Mount Alto	4291.8	418.0						6508	47.1	209	179	2.05
Neptune	4335.0	429.4						8006	55.0	223	188	1.88

G.11 AQCR 180 - Sandusky Intrastate

a. Summary of SO_2 Monitoring Sites

1) SO_2 Priority: III

2) Number of SIP Proposed Sites - Number of Federally Required

SIP Proposed Sites		Federally Required	
Bubbler	Continuous	Bubbler	Continuous
2	0	1	0

3) Counties in AQCR: Erie, Huron, Ottawa, Sandusky, Seneca

4) Operating Agencies: OEPA (NWDO)

5) SO_2 Monitoring Sites

SAROAD No.	Location	Site Address	Equipment	Data Submitted
ERIE COUNTY				
36-5960-001	Sandusky	2130 Hayes Ave.	Pararosaniline	75

G.11. AQCR 180 - Sandusky Intrastate (P. 1 of 1)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
ERIE COUNTY												
36-5960-001	4588.2	356.9										

G.12 AQCR 181 - Metropolitan Steubenville-Weirton-Wheeling

a. Summary of SO_2 Monitoring Sites

1) SO_2 Priority: I

2) Number of SIP Proposed Sites - Number of Federally Required

Bubbler	Continuous	Bubbler	Continuous
5	1	3	1

3) Counties in AQCR: Belmont, Columbiana, Jefferson, Monroe

4) Operating Agencies: NOVAA

5) SO_2 Monitoring Sites

SAROAD No.	Location	Site Address	Equipment	Data Submitted
BELMONT COUNTY				
36-3980-002-I01	Martins Ferry	City Hall	Pararosaniline	73-74
COLUMBIANA COUNTY				
36-1900-001-I01	East Liverpool	City Hall	Pararosaniline	73-74
36-5940-001-I01	Salem	Red Cross	Pararosaniline	73
36-5940-006-I01	Salem	City Hall	Pararosaniline	73-74
Radio Hall(OED)	East Liverpool	Sammis Plant	Conductimetric	71-74
JEFFERSON COUNTY				
36-3160-008-I02	Jefferson Co.	Helmick Residence	Pararosaniline	73-74
36-3160-011-I01	Jefferson Co.	Brilliant	Pararosaniline	73
36-3160-012-I01	Jefferson Co.	Brilliant	Pararosaniline	74
36-6420-001-A01	Steubenville	308 Market St.	Pararosaniline	72-73
36-6420-001-P01	Steubenville	308 Market St.	Pararosaniline	73-74
36-6420-001-I01	Steubenville	308 Market St.	Pararosaniline	73
36-6420-012-I01	Steubenville	814 Adams St.	Paros., Coul.	74
MONROE COUNTY				
36-4460-001-I02	Monroe Co.	Clarington	Pararosaniline	73-74

G.12 AQCR 181 - Metropolitan Steubenville-Weirton-Wheeling

a. Summary of SO2 Monitoring Sites -(page 2)

SAROAD No.	Location	Site Address	Equipment	Data Submitted
PENNSYLVANIA				
Cardinal-Tidd Plants (AEP)				
Meadow Croft	13.04km, 82° from plant		Flame Photometric	74
WEST VIRGINIA				
Sammis Plant (OED)				
New Manchester	4.35km, 330° from plant		Conductimetric	71-74
New Cumberland			Cond., Flame Photometric	71-74
Cardinal-Tidd Plants (AEP)				
Wellsburg	4.02km, 52° from plant		Flame Photometric	74
Fowlertown	7.56km, 70° from plant		Flame Photometric	74
Bethany	8.53km, 117° from plant		Flame Photometric	73-74
Power	4.83km, 190° from plant		Flame Photometric	73-74
Berger Plant(OED)				
Frizzell	Moundsville		Conductimetric	71-73
White Latch	Moundsville	2.25km, 55.7° from plant	Conductimetric	71-73
Cable T.V.		4.62km, 56.6° from plant	Conductimetric	73-74
WEIF Hill		1.63km, 255° from plant	Conductimetric	71-74

G.12. AQCR 181 - Metropolitan Steubenville-Weirton (P. 1 of 3)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
BELMONT COUNTY												
36-3980-002	4436.6	521.6	50	69.2	299	209	2.23	58	65.0	187	169	2.27
COLUMBIANA COUNTY												
36-1900-001	4496.4	535.4	55	107.3	358	340	2.08	61	89.4	400	316	2.32
36-5940-001	4523.0	512.9	SCNM									
36-5940-006	4527.4	508.1	SCNM					57	53.8	276	123	1.99
Sammis Plant(OE)												
Radio Hill			269	47.1	497	392	3.75	330	44.5	288	288	2.97
JEFFERSON COUNTY												
36-3160-008	4457.4	532.2	46	65.2	227	192	1.86	SCNM				
36-3160-011	4455.4	533.6	SCNM									
36-3160-012	4457.2	532.1	SCNM									
36-6420-001	4467.7	532.6	317	123.4	432	403	1.98	SCNM				

SCNM = Sampling Criteria Not Met

G.12 AQCR 181 - Metropolitan Steubenville-Weirton (P. 2 of 3)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	ANNUAL ARITH. MEAN	24-HR. MAX.	24-HR. 2nd MAX.	GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	ANNUAL ARITH. MEAN	24-HR. MAX.	24-HR. 2nd MAX.	GEOM. STD. DEV.
JEFFERSON CO. cont.												
36-6420-012	4467.7	532.7						364	106.9	436	381	2.26
Cardinal-Tidd Plants (AEP)												
New Alexandria	4459.7	528.1						6185	83.8	489	408	2.19
MONROE CO.												
36-4460-001			SCNM					54	66.1	146	144	1.92
PENNSYLVANIA												
Cardinal-Tidd (AEP)												
Meadowcroft	4457.7	543.2						5643	57.6		217(est)	1.75
WEST VIRGINIA												
Sammis Plant(O.E.D.)												
New Manchester	4486.2	535.8	279	39.3	236	236	2.93	304	54.9	340	340	3.39
New Cumberland	4482.4	533.6	247	94.2	785	707	3.56	233	44.5	236	236	2.97

G.12. AQCR 181 - Metropolitan Steubenville-Weirton (P. 3 of 3)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
WEST VIRGINIA cont.												
Cardinal-Tidd Plant (AEP)												
Wellsburg	4460.0	532.2						SCNM				
Fowlerstown	4464.8	534.5						SCNM				
Bethany	4452.0	537.9						8107	65.5	222	219	1.88
Power	4451.1	529.5						7508	83.8	293	285	2.02
Burger Plant (OED)												
Moundsville	4418.5	521.9	215	62.8	602	445	3.78	279	54.9	445	209	2.67
Cable TV	4420.0	524.3	SCNM					298	62.8	289	262	2.77
Weif	4417.1	518.8	SCNM					284	70.7	628	340	2.47

G.13. AQCR 182 Wilmington-Chillicothe-Logan Intrastate

a. Summary of SO_2 Monitoring Sites

1) SO_2 Priority: III

2) Number of SIP Proposed Sites - Number of Federally Required

SIP Proposed Sites		Federally Required	
Bubbler	Continuous	Bubbler	Continuous
1	1	1	0

3) Counties in AQCR: Clinton, Fayette, Highland, Hocking, Jackson Pike, Ross, Vinton

4) Operating Agencies: OEPA (SWDO, SEDO)

5) SO_2 Monitoring Sites

SAROAD No.	Location	Site Address	Equipment	Data Submitted
ROSS COUNTY				
36-1200-002-F05	Chillicothe	Rt. #23	Pararosaniline	75
36-1220-003-F05	Chillicothe	1596 N. Bridge	Pararosaniline	75
36-1220-003-J05	Chillicothe	1596 N. Bridge (Mead Paper)	Flame Photometric	75
36-1220-004-F05	Chillicothe	5th Street	Pararosaniline	75
36-1220-005-J05	Chillicothe	625 Harding Dr. (Mead Paper)	Flame Photometric	75
36-1220-006-J05	Chillicothe	U.S. 35 & 50 E. (Mead Paper)	Flame Photometric	75

G.13 AQCR 182 - Wilmington-Chillcothe-Logan Intrastate (P. 1 of 1)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.	1975 STATISTICS TOTAL OBS.	1975 ANNUAL ARITH. MEAN	1975 24-HR. MAX.	1975 24-HR. 2nd MAX.	1975 GEOM. STD. DEV.
ROSS COUNTY												
36-1220-002	4351.0	331.9						50	16.2	49	48	1.44
36-1220-003	4359.0	329.8						51	17.9	55	48	1.53
36-1220-003	4359.0	329.8						7123	23.9	140	125	1.85
36-1220-004	4354.9	327.9						50	16.6	73	54	1.46
36-1220-005	4356.5	331.3						5882	27.7	181	165	2.03
36-1220-006	4354.8	333.4						4593	30.9	128	116	2.10

G.14 AQCR 183 Zanesville-Cambridge Intrastate

a. Summary of SO_2 Monitoring Sites

1) SO_2 Priority: IA

2) Number of SIP Proposed Sites - Number of Federally Required

SIP Proposed		Federally Required	
Bubbler	Continuous	Bubbler	Continuous
1	4	3	1

3) Counties in AQCR: Carroll, Coshocton, Guernsey, Harrison, Muskingum, Noble, Tuscarawas

4) Operating Agencies: OEPA (SEDO)

5) SO_2 Monitoring Sites

SAROAD No.	Location	Site Address	Equipment	Data Submitted
Conesville Plant(C&SOE)				
Site 1	Coshocton Co.	4.17km, 34° from plant	Flame Photometric	73-74
MUSKINGUM COUNTY				
Philo Plant (AEP)				
Philo	1.77 km, 177° from plant		Flame Photometric	74
Fox Run	4.83 km, 165° from plant		Flame Photometric	74
Irish Ridge	5.15km, 236° from plant		Flame Photometric	74
Duncan Falls	1.45km, 335° from plant		Flame Photometric	74
Salt Creek	5.95km, 23° from plant		Flame Photometric	74
Indian Run	4.18km, 334° from plant		Flame Photometric	74
NOBLE COUNTY				
Muskingum Plant (AEP)				
Rich Valley	18.25km, 35° from plant		Flame Photometric, Conductimetric	
Caldwell	19.62km, 35° from plant		Conductimetric	
TUSCARAWAS COUNTY				
Union Camp Corp. (Dover)				
Site 1-Fairgrounds	.86km, 35° from plant		Pararosaniline	74-75
Site 2-Area SE	.5-1.0km, 135° from plant		Pararosaniline	74-75
Site 3A-Hill Area	2.8km, 292.5° from plant		Pararosaniline	74-75
Site 4-Sewage Disposal	.77km, 355° from plant		Pararosaniline	74-75
Site 5-Hill Area	3.0km, 35° from plant		Pararosaniline	74-75

G.14 AQCR 183-Zanesville-Cambridge Intrastate (P. 1 of 2)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	ANNUAL ARITH. MEAN	24-HR. MAX.	24-HR. 2nd MAX.	GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	ANNUAL ARITH. MEAN	24-HR. MAX.	24-HR. 2nd MAX.	GEOM. STD. DEV.
COSHOCTON COUNTY												
Conesville Plant(C&SOE)												
Site 1	4423.4	412.2	177	44.5	335	218		165	33.6	424	286	
MUSKINGUM COUNTY												
Philo Plant(AEP)												
Philo	4413.0	420.8						SCNM				
Fox Run	4414.2	417.9						7957	34.0	251	248	2.12
Irish Ridge	4408.6	419.7						7957	39.3	232	193	2.20
Duncan Falls	4412.3	423.9						6156	201	201	125	2.18
Salt Creek	4415.2	428.1						7209	31.4	162	157	2.32
Indian Run	4411.1	426.4						SCNM				
NOBLE COUNTY												
Muskingum Plant (AEP)												
Rich Valley	4389.1	446.3						6308	47.0	314	193	2.16
Caldwell	4398.4	452.9						7241	34.0	314	193	2.97

SCNM = Sampling Criteria Not Met

G.14 AQCR 183 Zanesville-Cambridge Intrastate (P. 2 of 2)

b. SO_2 MONITORING DATA SUMMARY

SAROAD NO.	UTM NORTHING	UTM EASTING	1973 STATISTICS TOTAL OBS.	1973 ANNUAL ARITH. MEAN	1973 24-HR. MAX.	1973 24-HR. 2nd MAX.	1973 GEOM. STD. DEV.	1974 STATISTICS TOTAL OBS.	1974 ANNUAL ARITH. MEAN	1974 24-HR. MAX.	1974 24-HR. 2nd MAX.	1974 GEOM. STD. DEV.
TUSCARAWAS COUNTY												
Union Camp Corp. (Dover)												
Site 1								SCNM				
Site 2								SCNM				
Site 3A								SCNM				
Site 4								SCNM				
Site 5								SCNM				